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**INTERNATIONAL TRADE AND CALIFORNIA'S ECONOMY:
SUMMARY OF THE DATA**

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By
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International Trade and California's Economy:

Summary of the Data

by

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(Second in a series of working papers on the general topics of *Foreign Trade and California's Growth*, by Dwight M. Jaffee, Cynthia A. Kroll, Ashok Deo Bardhan, Josh Kirschenbaum, and David Howe)

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Foreign Trade and California's Growth
A Series of Working Papers

This working paper is part of a series of papers that report on the results of a 15-month research project funded by the California Policy Seminar under its Policy Research Program. The full series of working papers is listed here.

Kroll, Cynthia A. *Foreign Trade and California's Economic Growth: Issues and Research Approach*, Working Paper 98-257. Fisher Center for Real Estate and Urban Economics, University of California, Berkeley, 1998.

Jaffee, Dwight M. *International Trade and California's Economy: Summary of the Data*, Working Paper 98-258. Fisher Center for Real Estate and Urban Economics, University of California, Berkeley, 1998.

Jaffee, Dwight M. *International Trade and California Employment: Some Statistical Tests*, Working Paper 98-259. Fisher Center for Real Estate and Urban Economics, University of California, Berkeley, 1998.

Kroll, Cynthia A., and Josh Kirschenbaum. *The Integration of Trade into California Industry: Case Studies of the Computer Cluster and the Food Processing Industry*, Working Paper 98-260. Fisher Center for Real Estate and Urban Economics, University of California, Berkeley, 1998.

Bardhan, Ashok Deo, and David K. Howe. *Globalization and Labor: The Effect of Imported Inputs on Blue Collar Workers*, Working Paper 98-261. Fisher Center for Real Estate and Urban Economics, University of California, Berkeley, 1998.

Bardhan, Ashok Deo, and David K. Howe. *Transnational Social Networks, Transportation Costs, and the Geographic Distribution of California's Exports*, Working Paper 98-262. Fisher Center for Real Estate and Urban Economics, University of California, Berkeley, 1998.

Kroll, Cynthia A. *Foreign Trade and California's Economic Growth: A Summary of Findings and Directions for Policy*, Working Paper 98-263. Fisher Center for Real Estate and Urban Economics, University of California, Berkeley, 1998.

The work is also reported in two publications of the California Policy Seminar:

The research is summarized in depth in Cynthia A. Kroll, Dwight M. Jaffee, Ashok Deo Bardhan, Josh Kirschenbaum and David K. Howe, *Foreign Trade and California's Economic Growth*, California Policy Seminar, Berkeley, 1998. A much briefer summary is available in a California Policy Seminar *Policy Brief* of the same title.

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International Trade and California's Economy: Summary of the Data

Abstract

This paper presents most of the primary data sets that have been assembled for use in the project, *Foreign Trade and California's Growth*. The data cover the employment, sales, and international trade (imports and exports) activities of all industries for both California and the US as a whole. The data are available primarily at the 3-digit SIC code level, although some 4-digit SIC code data are also used. Historical data are available for at least five previous years.

The discussion summarizes the key features of the California economy that are illustrated by the data and describes the statistical algorithms that were developed and applied in order to create a complete and consistent data set. These data are used to carry out statistical tests of various hypotheses in other papers of the project.

1 Introduction

A large data set is needed to determine the effects of international trade on the California economy. The data should cover at least the employment, sales, and international trade (imports and exports) of all industries for both California and the US as a whole. The data should be available at a detailed industry level, preferably to the level of 4-digit SIC codes. The industry definitions should be consistent across the employment, sales, and trade data. Historical data should be available for five years or more.

This paper presents most of the main data sets we have assembled for this purpose. The discussion summarizes the key features of the California economy that are illustrated by the data and describes the statistical algorithms that were developed and applied in order to create a complete and consistent data set. These data are used in other papers associated with this project to carry out statistical tests of various hypotheses.

2 Employment Data for California and the US

To understand the links between international trade and the state economy, we first need accurate data on employment, sales, and trade flows. This is not as simple as it might first appear. There are issues regarding the timeliness, consistency, and completeness of the data even at the US level and especially for California (or other states). In the following discussion, we use the computer industry as an example to illustrate some of these issues.

The employment data we have assembled cover California and the US as a whole, for manufacturing and service industries (to 3-digit, and in some cases to 4-digit, SIC codes), going back annually to at least 1987. We have used three primary sources of employment data, each with its own advantages and disadvantages.

The Annual Survey of Manufacturers (ASM) (from the Bureau of the Census)

This source covers only the manufacturing sector (SIC codes 20 to 39, to the 3-digit level), but is also the only source to provide consistent data on sales for the same SIC codes. In addition, every 5 years, a complete *Census of Manufacturers* is taken of all manufacturing firms, the most recent year being 1992. The *Census* is a primary source of 4-digit SIC code data for employment and sales. Although the annual survey uses only a partial sample, the data are calibrated with the most recent census data in order to provide estimates for the universe of all manufacturing firms. In particular, data for California and the US from 1987 to 1994 are now available on a data CD, and new and revised data for 1994 and 1995 have just been released by the Department of Commerce.

Some ASM data are not released at the California state level, in order to protect the confidentiality of individual firms. However, we have developed a statistical methodology to fill in the gaps (see Appendix 1).

We use the ASM data to analyze employment in California's manufacturing sector. The California ASM data are shown in Tables 1A and 1.B for 2-digit and 3-digit SIC codes respectively. The cells shown in bold represent the cases where our algorithm has been used to compute missing values, as described in Appendix 1. The line labeled "auxiliaries," near the bottom of each table, refers to manufacturing employment in auxiliary service centers (such as research labs or garages) that cannot be identified with a single SIC code.

Country Business Patterns (CBP) (from the Bureau of the Census)

This source provides the most complete set of employment data for both the manufacturing and service sectors, often to the level of 4-digit SIC codes, for the US and California. The data are similar to the Annual Survey of Manufacturers for the manufacturing

sector and to the Current Establishment Survey (see below) for the service sectors. The major drawback is that data are currently available only to 1994. Table 2 shows the US and California CBP employment data to the 4-digit level for computer manufacturing (SIC code 357) and computer services (SIC code 737). It is noteworthy that employment in the computer services industry exceeds employment in the computer manufacturing industry by a ratio of more than 4 to 1 at the US level and almost 3 to 1 at the California level.

The Current Establishment Survey (CES) (from the Bureau of Labor Statistics and California's Economic Development Department)

For the US, this source covers both the manufacturing sector and service sector (SIC codes 70 to 89, to at least the 3-digit level). However, at the California state level, only a few series are available at the 3-digit level. Annual data are currently available through 1996.

Table 3 provides a comparison of the CES, CBP, and ASM data for the manufacturing and service industries, including computer manufacturing (SIC code 357) and computer services (SIC code 737). In most cases (total US manufacturing is an example), the values from the 3 sources are very similar. The differences that do exist are due to alternative definitions, collection methods, and revisions. A very large difference occurs, however, in the computer manufacturing sector (SIC code 357), where the CES data are substantially higher for both the US and California. This is due to different SIC code definitions, and to the fact that the CES data include auxiliary employment in the SIC code. For the computer service industry (SIC code 737), there are no data from the Annual Survey of Manufacturers by definition; and no California data are available from the CES.

Location Quotients for California Employment

The employment structure of California and the US can be compared with location quotients for each industry (SIC code). The location quotient is the ratio between the proportion of California's employment in SIC code i and the proportion of US employment in the same SIC code. The location quotient for industry i is thus defined as:

$$(1) LQ_i = \frac{E_i^{CA} / E_T^{CA}}{E_i^{US} / E_T^{US}}$$

where:

E = employment,
CA = California,
US = United States
i = SIC code i ,
T = total for all SIC codes.

The location quotients for California's manufacturing employment (based on the ASM data) are shown in Tables 4.A and 4.B for 2-digit and 3-digit SIC codes respectively. Starting with the 2-digit data in Table 4.A, most of the values are relatively stable over the years, although some trends are evident (such as the growth of Apparel (code 23) and the decline in Transportation equipment, (code 37)). The rank order based on the 1995 value is shown in column 2. Scientific instruments (code 38), Apparel (code 23), and Electronics (code 36) are the most important industries, each with an employment share more than 50% above the US share. Tobacco (code 21), Textile mills (code 22), and Primary metals (code 33) are the least important industries, each with an employment share less than 50% of the US share. In particular, there appears to be no tobacco manufacturing (code 21) activity in California.

The 3-digit location quotients, in Table 4.B, follow the same pattern as the 2-digit aggregates, although there can be substantial variation within each group of 3-digit codes. For example, the 2-digit location quotient for food products (code 20) in 1995 is just slightly above 1.0, while the 3-digit location quotient for Meat products (code 201) is only 0.40 and the location quotient for Canned food products (code 203) is 2.14. Similarly, the 2-digit location quotient for transportation equipment (code 37) is about 1.0, but the quotient for Missiles and space vehicles (code 376) is over 4.7, while the quotient for motor vehicles (code 371) is 0.37.

Table 4.C provides a separate listing of the 3-digit location quotient data based on the 1995 rank. This shows, for example, that Missiles and space vehicles (code 376) has the highest location quotient. It is instructive and perhaps surprising that Luggage (code 316) and Women's outerwear (code 233) also have very high location quotients. At the other end, several Tobacco and Fabric mill codes show little or no California manufacturing employment.

The location quotients for California's computer manufacturing employment and service employment at the 4-digit level (based on the CBP data) are shown in Table 5. The overall location quotient in 1994 for California's computer manufacturing (SIC 357) is 2.63, and California is most intensive in computers, storage devices, and terminals. For computer services (SIC code 737), the overall location quotient in 1994 for California is 1.36, and California is most intensive in prepackaged software.

3 Sales Data

Sales data are available for manufacturing firms from the *Annual Survey of Manufacturers* (ASM), the same source just described for employment. We have constructed an algorithm that allocates values for missing California data, in the same manner described for the

employment data (see Appendix 1). The associated *Census of Manufacturers*, taken every 5 years, is a source of 4-digit SIC code sales data that are otherwise not available.

The California data for sales are shown for Tables 6.A and 6.B for 2-digit and 3-digit SIC codes respectively. These data are formally referred to as the “value of shipments” in the ASM reports and are measured in million of current dollars. These shipments include reshipments of the same goods between different producers, and therefore will exceed, to an unknown amount, the industry-level data for value added that are provided in the state-level national income and product accounts. The cells shown in bold represent the cases where our algorithm has been used to compute missing values, as described in Appendix 1.

Sales data are available for service firms, but only at the US level, from the *Annual Survey of Services* (ASS), a new survey from the Department of Commerce. The data are illustrated in Table 7. This table shows that nationwide sales in 1995 for computer services (SIC code 737) were over \$152 billion. This is almost 5 times as large as the sales in 1995 for computer manufacturing (SIC code 357), shown in Table 5.B.

4 International Trade Data

For the United States, detailed international trade data (imports and exports) are available for manufactured goods, while some aggregated data are available for traded services. For California, only derived data are available for goods exports and no data are available for either imported goods or for traded services. In this section, we first describe the available international trade data and then describe a methodology that could be applied to generate estimates of California’s imported goods.

United States International Trade in Manufactured Goods

US international trade data for 2-digit and 3-digit SIC codes are currently being revised by the Department of Commerce, but preliminary estimates are available. Custom's Reports are the basic source of all US trade data for goods. These reports, however, do not classify US international trade data by industry with the same SIC codes that are used for the *Annual Survey of Manufacturers*. Therefore, there is the need to "harmonize" the industry coding. This is being carried out separately by the International Trade Administration and by a project at the National Bureau of Economic Research headed by Professor Rob Feenstra. We focus here on the more recent data, released by the International Trade Administration, which classifies imports and exports by 2-digit and 3-digit SIC codes from 1989 to 1995.

International Trade Shares for the US

The trade share for a SIC code is defined as the amount of international trade (exports, imports, or net exports) relative to the net domestic supply of the same good. In particular, the gross export (GXS), import (GIS), and net export (NXS) shares for industry i are written as:

$$(2a) \quad GXS_i = \frac{X_i}{S_i + I_i - X_i}$$

$$(2b) \quad GIS_i = \frac{I_i}{S_i + I_i - X_i}$$

$$(2c) \quad NXS_i = \frac{X_i - I_i}{S_i + I_i - X_i}$$

where:

- GXS _{i} = export share for SIC code i ,
- GIS _{i} = import share for SIC code i ,
- NXS _{i} = net export share for SIC code i ,
- I _{i} = imports for code i ,
- X _{i} = exports for code i ,
- S _{i} = domestic shipments for code i .

In each equation, the denominator is the net domestic supply in industry i , consisting of domestic shipments plus imports minus exports. The export (GXS) and import (GIS) shares represent the “gross” level of trade, whereas the net export share (NXS) shows the net effect of exports minus imports. In many cases, the positive impacts of exports are exactly offset by the negative effects of imports, so that the *net* export share is the best (and simplest) measure to use when evaluating the effects of international trade on the economy. When this is not true, however, it will be preferable to use the *gross* trade shares. Tables 8.A and 8.B show gross export shares at the 2-digit and 3-digit SIC code levels respectively. Tables 9.A and 9.B show gross import shares at the 2-digit and 3-digit SIC code levels respectively. Table 8.A shows that SIC codes 35 to 38 represent 4 of the 5 highest export shares for the US. At the same time, Table 9.A shows that SIC codes 35 to 38 also represent 4 of the 7 highest import shares for the US. This reflects the intensive international trade patterns on both the export and import sides for the “high tech” sectors, which is why the net export shares are often a more useful measure for evaluating the effect of international trade on the economy.

Net export shares for the US from 1989 to 1995 are shown in Tables 10.A and 10.B for 2-digit and 3-digit SIC codes respectively. Starting with the 2-digit codes, the negative values in the last row of Table 10.A show that, for all US manufacturing, there has been a continuing trade deficit (imports exceeding exports). In 1995, the trade deficit for manufactured goods represented about 3.4% of US domestic demand for all manufactured goods. Among the 2-digit industries, only 5 (food, tobacco, printing, chemicals, and instruments) had a positive trade balance in 1995. Not surprisingly, the US had the largest trade deficits for apparel (SIC 23) and leather (SIC 31). Perhaps more surprisingly, the trade deficit in Electronics (SIC 36) represented almost 8% of US demand for these products.

Table 10.C shows the net export shares for 3-digit SIC codes ranked from the highest (net exports) to the lowest (net imports). The top US export industries are Ordnance, Aircraft engines, and Cigarettes. The major US import industries, with imports exceeding 25% of US demand, are apparel, audio and video equipment, footwear, leather, and luggage.

United States International Trade in Services

The US trade statistics for services are much less detailed than for manufacturing. The top half of Table 11 shows the most detailed trade statistics that are available for services. The section with net exports shows that the US maintains a large trade surplus (positive net exports) in all the shown categories of services. This section also shows data for the net income derived on foreign direct investment in the computer manufacturing and computer services industries.

The importance for the California economy of the large trade surplus in travel services has been discussed in an earlier study of the Fisher Center for Real Estate and Urban Economics.¹ The net export section of Table 11 shows that the trade surplus in computer services is likely to be equally important. Furthermore, the large trade surplus in foreign direct investment income, and in that part of royalties that could be attributed to computer software and service firms, are of the same order of magnitude as the direct net exports of computer services.

The bottom part of Table 11 shows the export, import, and net trade shares for business services and the computer services. These shares are based on the same principle used above to compute the trade shares of manufactured goods (see equation 2 above). Although the values for the net export shares are all positive, they represent a relatively small share of total US domestic sales for services in the business and computer fields.

¹ See Ashok Bardhan, Cynthia Kroll and Dwight Jaffee, "The Growing Role of Foreign Trade in California's Economy," Fisher Center for Real Estate and Urban Economics, Working Paper No. 95-239.

California Trade Data

Custom's Reports can be the source for California export data, since the custom's forms require the "point of origin" of US exports. However, the data must be adjusted for various technical problems, including missing entries and trans-shipment. The federal government has not done this, but adjusted values are available from the Miser Project at the University of Massachusetts, although only at the level of 2-digit SIC codes. In contrast, Custom's Reports cannot readily be used to determine California imports because "point of destination" information is not collected on US imports.

Port data provide another possible source for California trade data (both imports and exports).² The state of California has 3 customs districts: Los Angeles-Long Beach, Oakland-San Francisco, and San Diego, which together cover all points of entry and exit to and from the state, connecting it to foreign destinations. Several points in the state of Nevada are also included in these districts. Since foreign trade data are not available by state in any great detail, the port data for a state are often used as a proxy for the state's actual trade figures. However, this approach obviously overestimates both the imports and the exports of a coastal/littoral state such as California. For example, a good part of the trade with Asia of the 18 states with no customs districts is likely to pass through California ports.

For the regression tests in Bardhan and Howe (1998)³, which require only the changes in variables (not the levels), we use the port data as proxy for California's trade data. We intend, however, to use a modified version of California's port data in our future work, based on the following steps:

² Ashok Bardhan had the primary responsibility for the port data discussed in this and the following paragraph.

³ See Bardhan, Ashok Deo and David K. Howe, "Transnational Social Networks, Transportation Costs, and the Geographic Distribution of California's Exports, Working Paper 98-262. Fisher Center for Real Estate and Urban Economics, University of California, Berkeley, 1998

- 1) We will use the Miser data for California exports (X_m), and the port data for California exports (X_c), to create the separating ratio SR, $SR = X_m/X_c$.
- 2) We will then multiply the imports through California customs districts by SR to provide estimates of California imports.

This assumes that the ratio between the Miser and the port export estimates applies as well on the import side. This requires that the geographic pattern of exports and imports be similar, and that the trade of other states not be growing at a rate dramatically differently from that of California.

We may also adjust the import figures for changes in the US share of imports from Asia.

A Proposed Method for Directly Estimating International Goods Imports for California

Our project has developed another methodology that could construct California import (and export) data from the highly detailed input/output data that are produced by the *Census of Manufacturers*. We conclude this paper with a summary description of this methodology.

The basic principle of the proposed method is that California's share of total US imports for each commodity should reflect California's share of the activities that create the demand for that commodity. In particular, goods imported to the United States can be separated into two broad classes: goods imported to meet final demand (for consumption, capital investment, or government use) and goods imported as intermediate products in a production process. The following describes some of the details of this proposed estimation process.

A Basic Identity

We start with a basic identity for each industry i (SIC code i) at the national level:

$$(3) F_i + U_i = P_i + M_i - X_i, \quad i = 1, 2, \dots, I, \quad \text{where}$$

- F_i = Final demand (C+I+G) for good i (from national income accounts),
- U_i = Input demand (use of good i as intermediate input in all industries (including i)).
- P_i = Production of good i ,
- M_i = Imports of good i ,
- X_i = Exports of good i .

The left hand side of equation [3] is the net domestic uses of good i and the right hand side is its net domestic sources. Data for the US are available for all the series in equation [3], although the final demand data available from the National Income Accounts (NIA) are more aggregated than the SIC code data available for the other variables in equation [3].

It is not feasible to apply equation [3] to California, because the trade variables M and X involve trade between California and other states, as well as international trade. We can compute California imports, however, using California data for production and exports, if we assume that the ratio of California imports to US imports for a particular good equals the ratio of California demand to US demand for that good. The steps are described as follows.

Steps to Compute California Imports

First, compute the amount of intermediate inputs used in California by applying an input/output (I/O) table to California's production levels.⁴ Let u_{ij} be the amount of input i used in the production of \$1 of good j , based on the I/O table. The total amount of input i required for California production is then:

$$(4) \quad U_i^{CA} = \sum_j u_{ij} P_j^{CA}, \quad i=1, 2, \dots, I.$$

Next, compute the amount of final demand in California by using the National Income Accounts (NIA) final demand data for California and the US to allocate California's share of US final demand across SIC codes. Specifically, let $N_j^{CA/US}$ be California's share of US final demand for group j based on the NIA data for California and the United States:

$$(5) \quad N_j^{CA/US} = \frac{N_j^{CA}}{N_j^{US}}, \quad j=1, 2, \dots, J.$$

⁴ It would be best, of course, to apply the California I/O table, except it is released much later than the US table.

California's final demand can be translated from the J NIA categories to the larger number of I SIC codes by applying California's NIA code shares to the US SIC code aggregates. Specifically, for each NIA group j ($j = 1, 2, \dots, J$), determine all the associated SIC codes that are components of group j . We can then compute the final demand by SIC codes:

$$(6) \quad F_i^{CA} = F_i^{US} * \frac{N_j^{CA}}{N_j^{US}}, \quad \text{for each SIC code } i \text{ associated with NIA, } j = 1, 2, \dots, J$$

The last step is to compute the California imports. To do this, for each SIC code, we would apply the California share of total demand (final demand plus intermediate inputs) to US imports:

$$(7) \quad M_i^{CA} = \frac{F_i^{CA} + U_i^{CA}}{F_i^{US} + U_i^{US}} M_i^{US}$$

Extensions of the Procedure

The above procedure assumes that the amount of California imports depends only on total demand, and, in particular, neither on the nearness of California to the exporting country nor on the level of California production of the good. In fact, one might expect California to import more goods, all else the same, when the foreign producer is relatively close. Similarly, California might import less of a given good, all else the same, if California is itself a major producer of the good.

To implement these refinements, we would have to measure and calibrate the likely magnitude of the effects. This would require that we combine our data set of US demand, production, imports, and exports by SIC code with worldwide production of the same goods. This could be based on a series of statistical tests, including the following two.

First, we could run a cross-section regression that determines the ratio of US net trade to US demand for each good as a function of the US share of total world production of that good. Presumably, we would find that US net imports relative to demand are less for those goods where the US is an important international producer. This relationship could then be applied to California's net imports as a function of its share of world or US trade in each good.

Second, we could run a cross-section regression that determines the ratio of US net trade to US demand for each good as a function of the proximity of the world's largest producer of that good. Presumably, we would find that US net imports relative to demand are greater for those goods where the world's largest producer is nearby. This relationship could then be applied to California net imports as a function of the proximity of world producers.

Data limitations and time constraints within the present study have precluded carrying out the computations of California imports described in this section. We hope to do so, however, in future work.

Appendix 1

Data from the *Annual Survey of Manufacturers* at the state level are not publicly released when that would disclose values for individual firms. For the state of California, over the period 1987 to 1995, this affected 2-digit SIC codes 22 and 31 and a number of 3-digit codes.⁵

However, the Department of Commerce does include the concealed values in its larger aggregates. For example, the aggregate manufacturing data for California include the values for the SIC codes 22 and 31, even though these values are not disclosed at the 2-digit level.

Similarly, the 2-digit code data include the concealed values for the 3-digit sectors.

Consequently, it is possible to create statistical algorithms to estimate the concealed values.

The values that had to be estimated to complete the data matrix for the California manufacturing sector between 1987 and 1995 are shown in Tables 1 and 6 for employment and sales respectively; the “A” tables refer to 2-digit SIC codes and the “B” tables refer to 3-digit SIC codes. All the cells shown in bold were concealed in the official statistical releases. The specific values shown in these cells have been computed by the following statistical algorithms (the same algorithm was applied to both the employment and sales data):

- 1) Values for SIC codes 22 and 31 between 1987 and 1991. In each year, the difference between the state total (called ACT) and the sum over the disclosed 2-digit codes (called SUM) was computed. The difference (ACT-SUM) for each year was then allocated between codes 22 and 31 based on the relative size of these two codes in 1992 (the first year for which full disclosure was available). For example, in 1987, the employment amount to be allocated was 23,000 (=ACT-SUM), 70% of which was placed in code 22 and 20% of which was placed in code 31.

⁵ The 3-digit SIC codes are 221, 222, 223, 224, 226, 228, 229, 231, 237, 261, 262, 301, 302, 311, 313, 314, 315, 316, 317, 319, 325, 328, 333, 339, 373, 374, 375, 385, 387, 391, and 399.

2) 3-Digit SIC codes in 1992. The year 1992 has the fewest disclosure problems because that was a complete census (rather than a survey) year. In particular, as shown in Tables 1B and 3B, there were undisclosed values in only 10 3-digit SIC codes, which corresponded to 6 different 2-digit SIC codes.⁶ For each 2-digit code, the difference was computed between the complete count for the 2-digit code (called ACT) and the sum over the corresponding 3-digit codes for which data were available (called SUM). The difference ACT-SUM was then allocated across the 3-digit codes for which values had not been disclosed:

- a) For the 2-digit SIC codes 22 and 31, only a single 3-digit code was missing, so the missing value was set directly equal to ACT-SUM.
- b) For each of the other 2-digit codes, data were not disclosed for 2 of the 3-digit codes, so the amount of ACT-SUM had to be allocated across the two 3-digit codes. For SIC codes 26, 30, and 37, the allocation was based on the nearest date for which actual 3-digit level data were available. For example, in Table 1B for code 262, there was actual employment of 2,000 in 1995. The amount of ACT-SUM in that year was 2,300. Therefore, it could be deduced that the missing value for code 261 in 1995 had to be 300. The ratio of codes 261 and 262 in 1995 was then used to allocate the amount of ACT-SUM in all other years of missing data.
- c) For codes 231 and 237, data were not disclosed for any year in the sample. Therefore, the amount ACT-SUM for code 23 was distributed between 231 and 237 based on the ratios of 231 and 237 at the U.S. level for each year.

⁶ The SIC codes were 223, 231, 237, 261, 262, 301, 302, 315, 374, and 375.

3-Digit Codes in Years Other than 1992. The estimation of missing values for all the years other than 1992 was carried out in a manner similar to that just described for 1992. In particular, for each year, the difference was computed between the complete count for the 2-digit code (called ACT) and the sum over the corresponding 3-digit codes for which data were available (called SUM). The difference ACT-SUM was then allocated across the 3-digit codes for which values had not been disclosed. The algorithm used the same 3 subcases, a, b, and c, just described for 1992. In all cases, the allocation among the 3-digit codes was based on the 1992 values. For example, for codes 277 and 278, for each year 1987 to 1991, the amount ACT-SUM was allocated between 277 and 278 based on the relative values for these codes in 1992

Table 1.A: California Manufacturing Employment, 2-digit SIC Codes										
Source: Annual Survey of Manufacturers, in thousands										
SIC	Description	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
20	Food	162	165	166	169	168	170	171	169	170
21	Tobacco	0	0	0	0	0	0	0	0	0
22	Textile mills	16	16	17	17	16	15	14	16	14
23	Apparel	127	126	118	121	122	132	134	148	167
24	Lumber	65	65	63	66	57	52	51	52	51
25	Furniture	64	64	63	58	49	52	49	47	52
26	Paper	37	36	36	36	35	37	37	37	39
27	Printing	157	156	163	170	164	160	154	157	156
28	Chemical	54	58	55	55	54	59	57	59	59
29	Petroleum	15	15	15	14	14	15	14	15	15
30	Rubber	80	85	85	85	77	86	86	83	89
31	Leather	7	7	7	7	7	6	6	7	7
32	Stone, glass	49	52	52	51	47	42	41	41	43
33	Metal, Prime	35	34	37	35	32	28	27	26	28
34	Metal Fabr	144	146	146	143	129	128	125	131	134
35	Machinery	214	217	212	201	183	183	174	165	182
36	Electronic	260	264	250	241	222	227	225	240	258
37	Transp Eq	296	305	316	305	260	244	202	175	161
38	Instruments	192	196	190	191	181	176	163	151	151
39	Misc	38	40	38	41	40	37	36	41	44
	Subtotal	2011	2045	2028	2006	1856	1848	1767	1759	1817
	Auxialiries	93	93	99	100	106	98	113	104	111
	Total	2104	2138	2126	2106	1962	1947	1879	1876	1928

Table 1.B: California Manufacturing Employment, 3-digit SIC codes										
Source: Annual Survey of Manufacturers, in thousands										
SIC	Description	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
201	Meat Products	15.2	17.9	18.9	19.4	20.4	17.9	17.8	17.1	17.8
202	Dairy Products	10.5	10.8	11.6	12.8	12.7	13.3	13.4	12.3	12.5
203	Canned Foods	46.1	44.5	49.3	51.5	51.6	48.7	50.6	47.9	47.1
204	Grain Mill Products	7.7	7.1	7.2	6.9	6.5	7.3	7.3	7.5	7.3
205	Bakery Products	22.9	24.0	20.9	21.0	20.5	23.0	23.8	23.8	23.7
206	Sugar Products	11.9	12.6	12.5	11.5	11.4	11.1	10.6	11.0	11.5
207	Fats and Oils	2.3	2.3	2.5	2.5	2.1	2.1	1.9	1.9	2.0
208	Beverages	23.9	23.9	22.9	24.1	23.1	23.6	23.7	24.4	25.0
209	Misc Food	21.7	21.6	20.6	19.4	19.4	23.2	21.7	22.8	22.6
211	Cigarettes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
212	Cigars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
213	Other Tobacco	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214	Tobacco Processing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221	Fabric Mills, Cotton	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
222	Fabric Mills, Other	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3
223	Fabric Mills, Wool	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
224	Narrow Fabric Mills	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
225	Knitting Mills	5.1	4.3	6.0	6.6	7.2	5.3	5.0	5.6	3.5
226	Textile Finishing	2.0	2.0	2.1	2.1	1.6	1.8	1.9	1.9	1.7
227	Carpets and rugs	3.7	4.7	3.3	3.0	3.2	3.2	3.2	3.3	3.4
228	Yarn/Thread Mills	0.9	0.9	0.9	1.0	0.7	0.8	0.8	0.7	0.8
229	Misc Textile Goods	2.9	2.9	3.1	3.1	2.4	2.6	2.0	3.0	3.6
231	Men's & Boys' Outer	0.7	0.7	0.7	0.6	0.6	0.78	0.9	0.0	0.1
232	Men's/Boys' Furnish	14.1	14.1	14.5	13.1	12.2	13.4	13.1	16.0	18.7
233	Women's Outerwear	75.1	74.8	67.2	71.4	73.9	78.9	83.7	96.0	110.6
234	Women's Underware	4.9	3.4	3.5	4.0	4.3	3.5	3.5	4.4	3.8
235	Hats, Caps, Millinery	0.9	0.9	1.0	0.9	0.9	1.1	1.2	0.0	0.2
236	Girls' Outerwear	5.1	5.2	5.3	5.0	4.9	6.1	4.7	4.8	5.2
237	Fur Goods	0.01	0.02	0.02	0.01	0.01	0.02	0.020	0.000	0.003
238	Misc Apparel	3.8	4.1	5.2	5.2	4.5	5.3	4.9	3.6	4.4
239	Fabricated Textiles	22.2	22.4	20.5	21.0	20.7	23.1	22.1	23.2	23.5
241	Logging	5.2	5.1	5.5	5.8	5.4	4.2	4.8	4.7	4.6
242	Saw/Planing Mills	16.8	16.4	13.5	14.7	12.5	12.5	13.0	11.7	10.5
243	Millwork, Plywood	24.2	24.7	24.4	25.3	21.4	19.5	17.9	19.8	20.1
244	Wood Containers	4.1	4.2	5.3	4.9	4.4	4.6	4.3	4.2	4.3
245	Wood Buildings	5.1	5.2	5.3	5.7	4.3	2.9	2.8	3.0	2.9
249	Misc Wood Products	9.2	8.9	9.3	9.2	8.6	8.3	8.0	8.9	8.7
251	Household Furniture	34.4	35.2	33.4	29.9	25.7	26.4	24.2	24.7	28.2
252	Office Furniture	10.0	9.6	9.5	8.3	5.4	7.5	6.9	6.4	5.7
253	Public Building Furni	2.7	2.4	2.3	2.3	2.2	2.9	2.6	2.6	2.0
254	Store Fixtures	9.0	8.5	9.0	8.8	8.2	7.1	7.7	7.1	7.8
259	Misc Furniture	8.2	8.0	8.9	8.6	7.5	7.8	7.7	6.5	8.2
261	Pulp Mills	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3
262	Paper Mills	1.9	1.9	2.2	2.1	2.0	2.2	2.2	1.9	2.0
263	Paperboard Mills	2.0	2.0	1.9	2.0	1.7	1.7	1.7	1.6	1.6
265	Paperboard Boxes	17.1	17.3	17.8	17.5	17.2	17.0	17.5	18.5	18.6
267	Convert Products	15.2	14.9	13.3	14.5	13.5	15.7	15.2	15.1	16.2
271	Newspapers	52.1	53.7	54.3	54.8	54.2	51.1	47.5	50.4	49.0
272	Periodicals	9.0	9.0	10.3	10.5	9.9	11.1	11.3	12.7	13.8
273	Books	8.2	7.7	8.8	9.7	10.2	9.5	10.7	8.5	8.9
274	Misc Publishing	8.4	8.0	7.7	8.2	8.3	8.5	8.3	8.5	8.6
275	Commercial Printing	57.7	56.1	62.9	67.3	62.3	59.0	57.2	56.2	56.1
276	Business Forms	5.3	5.3	5.0	4.7	4.3	4.3	4.2	4.3	4.3
277	Greeting Cards	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.3
278	Blankbooks binding	7.5	7.5	6.4	7.3	7.5	8.2	7.8	8.4	7.5

Table 1.B: California Manufacturing Employment, 3-digit SIC codes										
Source: Annual Survey of Manufacturers, in thousands										
SIC	Description	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
279	Printing Trade	8.0	8.2	7.1	6.9	6.9	7.5	7.0	7.5	7.4
281	Inorganic Chemicals	3.4	3.6	3.4	4.5	4.6	4.1	4.7	3.7	3.5
282	Plastic & Synthetics	1.6	1.8	1.7	2.2	2.2	2.0	1.8	1.8	1.8
283	Drugs	19.6	21.0	19.3	17.7	16.3	23.6	23.3	26.9	27.0
284	Soap, Cleaners, etc	10.8	12.5	11.8	12.1	12.1	12.6	11.7	12.2	11.9
285	Paints and Allied	6.4	6.3	5.9	6.1	6.0	5.4	5.2	5.2	4.9
286	Organic Chemicals	3.5	3.3	2.2	2.2	2.3	1.5	1.5	1.7	2.6
287	Ag Chemicals	1.8	1.8	2.6	2.7	2.4	2.7	2.3	2.4	1.8
289	Misc Chemicals	7.0	7.3	8.0	7.8	8.0	7.3	6.6	5.2	5.4
291	Petroleum Refining	11.6	11.3	11.7	10.6	10.8	11.6	10.9	11.5	10.7
295	Paving/Roofing Mat	2.3	2.2	2.3	2.2	2.1	2.1	2.1	2.7	2.7
299	Misc Petroleum	1.2	1.3	1.3	1.3	1.4	1.1	1.0	1.2	1.2
301	Tires/Inner Tubes	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.8
302	Footwear, rub/ plastic	1.7	1.6	1.9	1.9	2.4	2.6	2.6	2.4	1.9
305	Rubber belting ETC	3.3	3.3	3.1	3.4	3.7	4.1	4.2	3.3	3.2
306	Rubber Products, nec	8.2	9.5	8.5	8.1	7.5	8.3	7.9	7.6	7.7
308	Misc Plastics	66.2	70.5	70.6	70.9	63.0	70.0	70.3	69.4	75.1
311	Leather Tanning	0.8	0.8	0.6	0.5	0.6	0.7	0.6	0.5	0.5
313	Footware cut stock	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
314	Footwear, Exc Rub	1.4	1.4	1.1	0.8	1.0	1.2	1.3	1.8	2.2
315	Leather Gloves	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
316	Luggage	1.2	1.3	2.8	4.0	2.8	1.5	1.6	2.4	2.2
317	Personal Leather	1.2	1.2	0.9	0.7	0.8	1.0	0.9	0.7	0.7
319	Leather Goods, nec	1.7	1.7	1.3	1.0	1.3	1.5	1.1	1.1	1.1
321	Flat Glass	1.2	1.1	1.3	1.4	1.3	1.3	1.2	1.2	1.2
322	Glassware, Pressed	8.5	8.9	8.7	7.9	7.4	6.1	5.7	5.5	4.8
323	Purchased Glass	5.1	5.8	5.1	5.1	5.2	4.2	4.1	4.3	4.6
324	Cement, Hydraulic	2.3	2.2	2.0	2.1	2.0	2.0	1.9	1.8	1.8
325	Structural Clay	1.8	2.1	2.4	2.3	2.1	1.7	1.8	1.8	1.7
326	Pottery and Related	4.5	5.1	4.9	4.8	4.9	4.1	4.2	4.7	6.1
327	Concrete, Gypsum	19.8	20.7	21.9	22.1	19.7	17.0	16.8	16.8	17.6
328	Cut Stone Products	0.8	0.9	1.0	1.0	0.8	0.7	0.6	0.8	0.8
329	Nonmetallic Mineral	5.0	5.2	4.7	4.4	3.6	5.1	4.8	4.1	4.7
331	Blast Furnace	6.2	6.2	6.6	6.6	6.3	6.1	5.8	5.6	5.8
332	Iron/Steel Foundries	6.0	6.1	5.9	5.4	4.5	4.8	4.6	4.5	4.8
333	Primary Nonfer Met	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.6	0.6
334	Second Nonfer Met	1.5	1.5	1.7	1.8	2.1	1.3	1.3	1.4	1.5
335	Nonferrous Rolling	9.2	8.1	9.8	9.0	8.2	6.2	6.5	6.1	6.4
336	Nonfer Foundries	9.1	9.3	9.6	9.0	8.4	6.3	6.1	5.9	6.7
339	Misc Primary Metal	2.2	2.0	2.1	2.1	2.0	2.1	1.9	1.9	2.0
341	Metal Containers	7.3	7.2	6.5	5.9	5.5	5.7	5.3	6.1	5.3
342	Cutlery, Hand Tools	13.7	14.2	14.9	14.6	12.2	12.0	12.3	13.3	12.9
343	Plumbing & Heating	7.5	7.6	7.7	7.8	7.4	7.0	8.4	8.5	8.4
344	Fabricated Structural	40.7	42.0	42.6	41.1	36.3	37.5	36.7	39.4	40.4
345	Screws, Bolts, Etc	15.2	14.7	13.8	12.3	11.2	12.8	11.5	11.0	11.3
346	Metal Forgings	14.2	13.6	14.7	15.8	15.1	12.1	11.4	12.2	13.0
347	Coating, Engraving	18.6	19.1	19.8	20.6	18.4	17.1	17.6	17.6	18.1
348	Ordinance, nec	6.1	5.6	5.2	4.4	3.2	2.8	2.7	2.5	2.1
349	Misc Fabr Metals	20.8	21.7	20.8	20.3	19.3	20.8	19.4	20.5	22.5
351	Engines/Turbines	7.0	8.5	4.0	3.5	3.1	6.6	5.0	5.3	6.2
352	Farm/Garden Mach	3.5	3.4	3.3	3.0	2.1	2.1	2.4	2.4	2.3
353	Construction Equip	7.8	7.4	7.5	7.3	6.6	5.4	5.5	5.4	5.8
354	Metalworking Mach	13.9	14.2	13.8	13.2	11.8	12.2	12.0	11.8	13.3
355	Spec Indus Mach	15.6	16.0	16.2	16.0	16.7	16.8	16.9	19.7	22.8
356	Genl Indus Mach	17.3	18.5	21.5	22.1	20.9	17.3	16.6	15.5	15.5

Table 1.B: California Manufacturing Employment, 3-digit SIC codes										
Source: Annual Survey of Manufacturers, in thousands										
SIC	Description	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
357	Computer/Office Eqp	92.5	93.1	89.9	84.0	72.5	77.5	69.4	60.8	65.1
358	Refrigeration Mach	11.7	10.5	10.6	10.7	10.5	9.8	9.8	9.8	9.6
359	Indus machinery, nec	45.2	45.5	45.4	41.6	38.9	35.7	36.0	34.3	41.2
361	Electric Trans Equip	4.9	4.4	4.4	4.2	3.9	2.9	3.2	2.4	2.8
362	Electrical Indust App	11.8	12.5	11.3	10.9	10.0	10.7	10.2	10.3	10.7
363	Household App	3.3	3.1	2.7	2.5	2.3	2.5	2.0	2.1	2.2
364	Lighting/Wiring Equip	15.2	15.6	14.2	13.1	11.2	13.2	13.8	12.9	13.6
365	Audio/Video Eqp	7.4	8.7	8.5	8.6	10.5	8.4	8.6	8.4	8.9
366	Communication Eqp	44.9	46.9	43.6	41.5	36.2	40.3	41.1	47.0	51.2
367	Electronic Comp	145.0	144.1	139.2	133.2	125.1	126.4	125.7	135.3	146.3
369	Misc Electrical	27.3	28.3	25.6	26.6	22.4	22.2	20.8	21.4	21.9
371	Motor Vehicles Eqp	34.0	33.3	35.0	33.3	29.1	29.9	26.1	30.7	30.7
372	Aircraft and Parts	125.0	125.8	141.5	148.2	123.2	113.1	88.2	74.3	68.0
373	Boat Build/Repair	13.8	12.9	12.7	12.1	10.7	12.7	11.5	10.8	9.8
374	Railroad Equipment	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3
375	Motorcycles, Bicycles	1.5	1.5	1.7	1.7	1.6	1.8	2.0	2.4	2.8
376	Missiles/Space Veh	114.2	124.3	117.7	103.1	89.5	79.7	68.3	49.7	44.1
379	Misc Transportation	7.4	6.9	6.8	6.5	5.7	6.8	5.8	6.5	5.1
381	Navigation Equipment	99.5	96.5	88.6	76.5	71.3	64.8	54.5	44.4	41.4
382	Measur Instruments	51.5	54.7	52.5	57.8	53.6	53.3	50.0	53.5	57.0
384	Medical Instruments	34.0	37.4	40.8	47.5	45.1	47.1	48.1	44.5	44.2
385	Ophthalmic Goods	2.3	2.5	2.1	3.1	2.8	3.8	3.9	3.6	3.7
386	Photographic Eqp	4.5	5.0	5.5	6.0	7.6	6.6	6.7	4.7	4.4
387	Watches, Clocks	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2
391	Jewelry, Silverware	3.7	3.8	4.0	4.5	4.3	3.7	3.6	4.4	4.4
393	Musical Instruments	1.3	1.3	1.6	1.7	1.7	1.8	1.8	1.6	1.6
394	Toys/Sporting Goods	9.7	10.4	10.7	12.6	12.6	10.4	9.8	12.4	14.2
395	Pens, Pencils	4.4	4.8	4.2	4.3	4.0	3.9	3.2	3.9	3.6
396	Costume, Jewelry	1.9	1.8	2.3	2.3	2.4	2.5	2.5	2.6	3.3
399	Misc Manufacturing	17.1	18.0	15.6	15.4	15.4	14.9	15.2	15.9	16.9
	Subtotal	2011	2045	2027	2006	1856	1848	1767	1760	1817
	Auxialiries	93	93	99	100	106	98	113	104	111
	Total	2104	2138	2126	2106	1962	1947	1879	1876	1928

Table 2: Computer Industry Employment									
County Business Patterns, in thousands									
United States									
SIC	Description	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994
	All Manufacturing	19003	19262	19492	19173	18383	18162	18183	18098
357	Computer and Office	374	338	326	301	288	255	235	224
3571	Computers	0	147	144	126	121	107	95	91
3572	Storage Devices	0	43	45	42	33	32	41	42
3575	Terminals	323	15	16	14	14	11	8	9
3577	Peripherals	8	91	77	78	81	71	57	56
3578	Calculating	6	13	12	9	8	6	7	7
3579	Nec	37	28	30	28	27	26	27	19
	All Services	24140	25143	27339	28800	29575	30654	32259	33253
737	Computer and Data	619	679	722	773	799	834	966	984
7371	Programming services	0	203	208	217	221	228	262	272
7372	Prepackaged software	273	58	68	76	87	100	142	150
7373	Integrated systems	0	64	72	82	85	94	115	103
7374	Data processing	259	218	223	229	225	222	236	237
7375	Information retrieval	0	14	14	17	20	22	31	37
7376	Facilities management	0	22	23	24	25	25	31	30
7377	Rental and leasing	0	9	11	15	13	10	8	8
7378	Maintenance	0	50	51	53	54	56	62	56
7379	N.e.c	86	39	46	51	59	66	76	88
California									
SIC	Description	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994
	All Manufacturing	2100	2141	2186	2167	2055	1941	1879	1780
357	Computer and Office	93	96	93	87	84	71	64	60
3571	Computers	0	48	48	43	12	36	30	29
3572	Storage Devices	0	21	19	19	4	11	15	13
3575	Terminals	88	3	4	3	19	4	3	3
3577	Peripherals	0	18	18	18	0	17	13	13
3578	Calculating	1	4	2	1	2	0	1	1
3579	Nec	2	3	2	2	11	2	2	1
	All Services	2977	3116	3375	3609	3661	3679	3833	3863
737	Computer and Data	101	110	115	123	126	130	156	164
7371	Programming services	0	38	36	37	38	37	39	43
7372	Prepackaged software	55	12	15	18	22	24	41	45
7373	Integrated systems	0	12	14	18	17	16	13	13
7374	Data processing	32	28	28	28	23	25	26	24
7375	Information retrieval	0	1	1	2	2	3	6	7
7376	Facilities management	0	3	2	2	3	4	6	6
7377	Rental and leasing	0	1	1	1	1	2	1	1
7378	Maintenance	0	9	8	9	10	9	12	10
7379	N.e.c	14	5	8	7	8	10	11	15

Table 3: Employment Data, A Comparison of 3 Sources										
in thousands										
CES = Current establishment survey										
ASM = Annual survey of manufacturers										
CBP = County business patterns										
US Manufacturing	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995	Y1996
CES	18999	19314	19391	19076	18406	18104	18075	18321	18468	18282
ASM	18950	19147	19041	18840	18062	18233	18233	18344	18741	
CBP	19003	19262	19492	19173	18383	18162	18183	18098		
US 357										
CES	461	459	459	438	415	391	363	354	352	363
ASM	328	330	305	288	265	251	243	237	250	
CBP	374	338	326	301	288	255	235	224		
US 737										
CES	629	673	736	772	797	836	893	959	1090	1208
CBP	619	679	722	773	799	834	966	984		
CA Manufacturing										
CES	2060	2097	2107	2069	1971	1891	1805	1777	1794	1853
ASM	2104	2138	2126	2106	1962	1947	1879	1863	1928	
CBP	2100	2141	2186	2167	2055	1941	1879	1780		
CA 357										
CES	103	100	103	101	101	95	92	83	85	90
ASM	93	93	90	84	73	78	69	61	65	
CBP	93	96	93	87	84	71	64	60		
CA 737										
CBP	101	110	115	123	126	130	156	164		

Table 4.A: California Manufacturing Employment Location Quotients, 2-digit SIC Codes

Source: Annual Survey of Manufacturers and text equation (1)

Ranked by 3-digit SIC codes and 1995 values

1995											
SIC	Rank	Description	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
20	5	Food	0.99	0.99	1.00	1.01	1.03	1.04	1.08	1.08	1.07
21	20	Tobacco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	19	Textile mills	0.21	0.21	0.23	0.24	0.25	0.22	0.22	0.24	0.22
23	2	Apparel	1.03	1.03	1.02	1.07	1.15	1.23	1.31	1.50	1.68
24	16	Lumber	0.81	0.80	0.81	0.84	0.81	0.73	0.71	0.70	0.66
25	9	Furniture	1.11	1.10	1.09	1.01	0.95	1.00	0.98	0.93	0.97
26	17	Paper	0.53	0.52	0.49	0.51	0.51	0.54	0.57	0.58	0.59
27	8	Printing	0.92	0.91	0.95	0.97	1.00	0.98	0.99	1.02	0.98
28	15	Chemical	0.59	0.61	0.57	0.57	0.58	0.64	0.65	0.70	0.67
29	4	Petroleum	1.15	1.12	1.20	1.11	1.15	1.19	1.19	1.34	1.27
30	12	Rubber	0.85	0.87	0.85	0.86	0.83	0.87	0.88	0.83	0.84
31	14	Leather	0.45	0.45	0.50	0.53	0.57	0.55	0.55	0.70	0.76
32	13	Stone, glass	0.82	0.87	0.88	0.88	0.89	0.83	0.84	0.82	0.83
33	18	Metal, Prime	0.44	0.41	0.44	0.43	0.43	0.38	0.40	0.38	0.39
34	11	Metal Fabr	0.87	0.86	0.87	0.87	0.86	0.85	0.88	0.90	0.88
35	10	Machinery	1.02	1.00	0.97	0.94	0.93	0.97	0.95	0.88	0.90
36	3	Electronic	1.46	1.46	1.41	1.41	1.40	1.45	1.50	1.57	1.61
37	7	Transp Eq	1.44	1.47	1.53	1.51	1.44	1.36	1.22	1.10	1.01
38	1	Instruments	1.72	1.74	1.72	1.77	1.81	1.78	1.78	1.77	1.79
39	6	Misc	0.90	0.90	0.87	0.93	1.01	0.93	0.91	1.03	1.06
		Total	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table 4.B: California Manufacturing Employment Location Quotients											
Source: Annual Survey of Manufacturers and text equation (1)											
Ranked by 3-digit SIC codes and 1995 values											
1995											
SIC	Rank	Name	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
201	104	Meat Products	0.39	0.44	0.46	0.45	0.47	0.41	0.41	0.39	0.40
202	58	Dairy Products	0.65	0.66	0.73	0.81	0.84	0.89	0.95	0.91	0.90
203	7	Canned Foods	1.95	1.89	2.03	2.07	2.16	2.09	2.26	2.18	2.14
204	80	Grain Mill Products	0.66	0.61	0.61	0.59	0.57	0.62	0.66	0.70	0.66
205	42	Bakery Products	0.93	0.95	0.86	0.89	0.89	0.98	1.04	1.04	1.04
206	30	Sugar Products	1.16	1.24	1.20	1.09	1.12	1.11	1.10	1.19	1.20
207	73	Fats and Oils	0.68	0.66	0.72	0.75	0.68	0.69	0.67	0.71	0.74
208	13	Beverages	1.31	1.32	1.34	1.44	1.44	1.50	1.55	1.70	1.70
209	25	Misc Food	1.21	1.19	1.16	1.08	1.12	1.28	1.26	1.34	1.29
211	137	Cigarettes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
212	138	Cigars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
213	139	Other Tobacco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
214	140	Tobacco Processing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
221	136	Fabric Mills, Cotton	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
222	135	Fabric Mills, Other	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03
223	127	Fabric Mills, Wool	0.14	0.12	0.12	0.13	0.11	0.13	0.13	0.12	0.13
224	115	Narrow Fabric Mills	0.27	0.25	0.29	0.31	0.26	0.27	0.27	0.24	0.26
225	123	Knitting Mills	0.22	0.19	0.26	0.29	0.36	0.25	0.25	0.28	0.19
226	110	Textile Finishing	0.32	0.33	0.36	0.38	0.30	0.33	0.36	0.34	0.31
227	88	Carpets and rugs	0.61	0.75	0.53	0.51	0.60	0.59	0.61	0.58	0.59
228	132	Yarn/Thread Mills	0.07	0.07	0.08	0.08	0.07	0.08	0.08	0.08	0.08
229	92	Misc Textile Goods	0.49	0.48	0.50	0.52	0.43	0.44	0.35	0.47	0.54
231	134	Men's & Boys' Outer	0.10	0.10	0.11	0.12	0.13	0.16	0.20	0.00	0.04
232	70	Men's/Boys' Furnish	0.44	0.45	0.47	0.44	0.44	0.47	0.51	0.64	0.77
233	3	Women's Outerware	1.90	1.94	1.86	1.97	2.18	2.38	2.48	3.02	3.37
234	67	Women's Underware	0.64	0.45	0.50	0.58	0.68	0.60	0.64	0.91	0.79
235	130	Hats, Caps, Millinery	0.47	0.50	0.53	0.47	0.50	0.54	0.59	0.00	0.09
236	35	Girls' Outerware	0.63	0.66	0.70	0.71	0.75	1.04	0.92	0.97	1.17
237	133	Fur Goods	0.06	0.06	0.06	0.06	0.09	0.16	0.24	0.00	0.05
238	27	Misc Apparel	0.82	0.87	1.16	1.19	1.11	1.36	1.39	1.05	1.27
239	49	Fabricated Textiles	0.99	0.99	0.96	0.97	1.01	1.01	1.00	1.01	0.99
241	95	Logging	0.53	0.51	0.59	0.61	0.63	0.46	0.53	0.52	0.51
242	90	Saw/Planing Mills	0.82	0.78	0.68	0.75	0.72	0.68	0.71	0.64	0.56
243	72	Millwork, Plywood	0.89	0.90	0.92	0.97	0.92	0.80	0.74	0.78	0.75
244	64	Wood Containers	0.98	0.96	1.10	1.03	1.00	1.06	1.00	0.90	0.83
245	106	Wood Buildings	0.69	0.69	0.74	0.81	0.72	0.47	0.43	0.42	0.37
249	60	Misc Wood Products	0.90	0.88	0.90	0.84	0.86	0.90	0.85	0.94	0.89
251	47	Household Furniture	1.07	1.09	1.05	0.95	0.90	0.94	0.91	0.90	0.99
252	69	Office Furniture	1.09	1.04	1.05	0.97	0.74	1.01	0.95	0.89	0.79
253	93	Public Building Furni	1.09	0.89	0.77	0.78	0.77	0.92	0.77	0.74	0.52
254	56	Store Fixtures	1.07	1.01	1.08	1.06	1.11	0.88	0.94	0.91	0.92
259	19	Misc Furniture	1.45	1.45	1.57	1.48	1.41	1.60	1.57	1.28	1.45
261	119	Pulp Mills	0.19	0.18	0.20	0.18	0.17	0.20	0.23	0.22	0.21
262	125	Paper Mills	0.13	0.13	0.15	0.14	0.14	0.16	0.16	0.15	0.16
263	114	Paperboard Mills	0.34	0.33	0.32	0.33	0.30	0.30	0.31	0.28	0.27
265	63	Paperboard Boxes	0.78	0.78	0.77	0.77	0.78	0.79	0.84	0.88	0.86
267	79	Convert Products	0.60	0.58	0.51	0.56	0.54	0.63	0.63	0.64	0.67
271	36	Newspapers	1.06	1.09	1.11	1.08	1.14	1.13	1.11	1.19	1.13
272	37	Periodicals	0.72	0.71	0.78	0.80	0.81	0.88	0.93	1.05	1.08
273	83	Books	0.64	0.58	0.64	0.70	0.73	0.67	0.77	0.63	0.64
274	29	Misc Publishing	1.06	1.03	1.08	1.10	1.16	1.19	1.20	1.26	1.22
275	59	Commercial Printing	0.92	0.88	0.97	1.02	1.01	0.95	0.96	0.94	0.89
276	51	Business Forms	0.88	0.87	0.89	0.82	0.84	0.82	0.86	0.93	0.95

Table 4.B: California Manufacturing Employment Location Quotients											
Source: Annual Survey of Manufacturers and text equation (1)											
Ranked by 3-digit SIC codes and 1995 values											
	1995										
SIC	Rank	Name	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
277	128	Greeting Cards	0.11	0.12	0.10	0.10	0.10	0.12	0.17	0.17	0.13
278	39	Blankbooks binding	0.96	0.96	0.83	0.92	0.97	1.13	1.19	1.21	1.07
279	28	Printing Trade	1.02	1.01	0.94	0.91	1.01	1.06	1.06	1.27	1.23
281	103	Inorganic Chemicals	0.32	0.33	0.31	0.39	0.40	0.36	0.48	0.41	0.41
282	126	Plastic & Synthetics	0.12	0.12	0.11	0.15	0.16	0.14	0.14	0.14	0.14
283	33	Drugs	1.00	1.05	0.92	0.85	0.80	1.12	1.12	1.27	1.19
284	55	Soap, Cleaners, etc	0.80	0.86	0.80	0.84	0.89	0.94	0.90	0.99	0.93
285	57	Paints and Allied	1.02	0.97	0.94	0.99	1.06	0.97	0.99	1.01	0.90
286	120	Organic Chemicals	0.25	0.23	0.16	0.15	0.16	0.11	0.12	0.14	0.21
287	102	Ag Chemicals	0.39	0.38	0.55	0.55	0.53	0.62	0.56	0.59	0.44
289	84	Misc Chemicals	0.72	0.76	0.80	0.77	0.83	0.80	0.77	0.63	0.64
291	18	Petroleum Refining	1.37	1.35	1.42	1.29	1.32	1.42	1.43	1.55	1.46
295	46	Paving/Roofing Mat	0.72	0.67	0.77	0.72	0.72	0.75	0.77	1.02	1.00
299	65	Misc Petroleum	0.81	0.86	0.87	0.86	0.97	0.73	0.67	0.86	0.82
301	129	Tires/Inner Tubes	0.07	0.06	0.07	0.07	0.10	0.11	0.11	0.10	0.12
302	10	Footwear, rub/ plastic	1.38	1.22	1.56	1.62	1.86	1.72	2.04	2.04	1.90
305	96	Rubber belting ETC	0.56	0.51	0.47	0.53	0.63	0.72	0.74	0.56	0.51
306	85	Rubber Products, nec	0.69	0.80	0.70	0.69	0.69	0.72	0.69	0.65	0.62
308	52	Misc Plastics	0.97	1.00	0.98	0.98	0.93	0.96	0.97	0.92	0.94
311	111	Leather Tanning	0.49	0.47	0.44	0.34	0.46	0.39	0.36	0.31	0.30
313	121	Footware cut stock	0.21	0.22	0.18	0.11	0.15	0.25	0.25	0.21	0.21
314	98	Footwear, Exc Rub	0.17	0.17	0.14	0.11	0.17	0.22	0.26	0.37	0.47
315	116	Leather Gloves	0.33	0.34	0.32	0.21	0.30	0.33	0.32	0.26	0.25
316	2	Luggage	0.93	1.03	1.91	2.50	2.03	1.42	1.60	2.74	3.70
317	68	Personal Leather	0.62	0.60	0.54	0.46	0.62	0.82	0.91	0.85	0.79
319	17	Leather Goods, nec	2.17	2.07	1.44	1.02	1.24	1.74	1.30	1.62	1.58
321	43	Flat Glass	0.72	0.70	0.76	0.84	0.89	1.00	1.02	1.04	1.03
322	71	Glassware, Pressed	0.97	1.02	1.03	0.96	0.99	0.85	0.85	0.84	0.76
323	74	Purchased Glass	0.88	0.97	0.84	0.83	0.90	0.70	0.72	0.72	0.73
324	44	Cement, Hydraulic	1.06	1.04	1.04	1.05	1.10	1.08	1.10	1.05	1.03
325	94	Structural Clay	0.47	0.55	0.60	0.60	0.59	0.50	0.57	0.57	0.51
326	23	Pottery and Related	1.04	1.14	1.14	1.12	1.21	1.05	1.07	1.12	1.33
327	62	Concrete, Gypsum	0.86	0.91	0.95	1.00	0.99	0.90	0.92	0.89	0.86
328	87	Cut Stone Products	0.53	0.59	0.65	0.61	0.63	0.52	0.46	0.62	0.60
329	82	Nonmetallic Mineral	0.60	0.61	0.58	0.54	0.49	0.71	0.72	0.58	0.65
331	117	Blast Furnace	0.22	0.20	0.22	0.22	0.23	0.23	0.24	0.24	0.25
332	109	Iron/Steel Foundries	0.41	0.39	0.38	0.36	0.32	0.36	0.36	0.35	0.35
333	124	Primary Nonfer Met	0.23	0.21	0.21	0.20	0.20	0.21	0.25	0.17	0.17
334	50	Second Nonfer Met	1.06	1.00	1.02	1.07	1.44	0.88	0.93	0.96	0.98
335	105	Nonferrous Rolling	0.50	0.44	0.53	0.50	0.49	0.39	0.42	0.39	0.39
336	77	Nonfer Foundries	1.01	1.00	1.02	0.99	1.01	0.78	0.78	0.70	0.71
339	91	Misc Primary Metal	0.60	0.53	0.54	0.54	0.57	0.64	0.60	0.58	0.55
341	21	Metal Containers	1.33	1.34	1.27	1.20	1.20	1.32	1.36	1.53	1.40
342	61	Cutlery, Hand Tools	0.83	0.84	0.90	0.92	0.84	0.82	0.86	0.93	0.87
343	11	Plumbing & Heating	1.45	1.48	1.54	1.57	1.59	1.53	1.87	1.87	1.82
344	54	Fabricated Structural	0.88	0.89	0.92	0.89	0.87	0.88	0.91	0.95	0.93
345	38	Screws, Bolts, Etc	1.41	1.31	1.21	1.13	1.12	1.30	1.21	1.12	1.08
346	97	Metal Forgings	0.49	0.47	0.50	0.56	0.59	0.47	0.46	0.48	0.48
347	22	Coating, Engraving	1.46	1.36	1.43	1.54	1.51	1.44	1.49	1.43	1.37
348	99	Ordnance, nec	0.61	0.57	0.59	0.55	0.42	0.39	0.45	0.54	0.47
349	75	Misc Fabr Metals	0.70	0.69	0.67	0.65	0.66	0.72	0.70	0.72	0.73
351	76	Engines/Turbines	0.71	0.83	0.41	0.37	0.36	0.72	0.63	0.63	0.73
352	118	Farm/Garden Mach	0.38	0.34	0.31	0.28	0.21	0.22	0.26	0.25	0.24

Table 4.B: California Manufacturing Employment Location Quotients											
Source: Annual Survey of Manufacturers and text equation (1)											
Ranked by 3-digit SIC codes and 1995 values											
1995											
SIC	Rank	Name	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
353	112	Construction Equip	0.36	0.33	0.33	0.32	0.31	0.28	0.30	0.28	0.28
354	101	Metalworking Mach	0.46	0.45	0.43	0.41	0.40	0.44	0.44	0.43	0.45
355	31	Spec Indus Mach	0.81	0.81	0.81	0.81	0.92	0.97	0.99	1.11	1.19
356	89	Genl Indus Mach	0.63	0.64	0.72	0.74	0.74	0.65	0.65	0.61	0.57
357	4	Computer/Office Eqp	2.49	2.47	2.59	2.56	2.48	2.84	2.74	2.49	2.50
358	100	Refrigeration Mach	0.54	0.47	0.48	0.50	0.55	0.51	0.52	0.50	0.47
359	40	Indus machinery, nec	1.36	1.33	1.27	1.18	1.21	1.09	1.11	0.99	1.05
361	108	Electric Trans Equip	0.56	0.50	0.50	0.49	0.50	0.39	0.46	0.33	0.37
362	86	Electrical Indusl App	0.63	0.66	0.60	0.59	0.59	0.63	0.61	0.61	0.61
363	122	Household App	0.25	0.23	0.21	0.20	0.20	0.22	0.18	0.18	0.19
364	66	Lighting/Wiring Equip	0.80	0.82	0.76	0.73	0.70	0.82	0.88	0.81	0.82
365	12	Audio/Video Eqp	1.47	1.67	1.59	1.69	2.13	1.64	1.74	1.79	1.77
366	9	Communication Eqp	1.52	1.54	1.51	1.45	1.38	1.56	1.71	1.87	2.05
367	5	Electronic Comp	2.34	2.29	2.22	2.18	2.18	2.18	2.27	2.38	2.39
369	20	Misc Electrical	1.28	1.32	1.26	1.44	1.31	1.38	1.36	1.42	1.43
371	107	Motor Vehicles Eqp	0.40	0.40	0.42	0.41	0.40	0.39	0.35	0.38	0.37
372	15	Aircraft and Parts	1.85	1.85	2.06	2.11	1.96	1.90	1.75	1.70	1.66
373	81	Boat Build/Repair	0.69	0.62	0.62	0.60	0.60	0.72	0.70	0.70	0.66
374	131	Railroad Equipment	0.07	0.05	0.05	0.04	0.04	0.05	0.06	0.06	0.09
375	14	Motorcycles, Bicycles	1.79	1.75	1.78	1.58	1.34	1.45	1.38	1.48	1.67
376	1	Missiles/Space Veh	4.71	4.87	4.68	4.51	4.56	4.89	5.11	4.80	4.74
379	41	Misc Transportation	1.32	1.28	1.40	1.45	1.43	1.40	1.16	1.32	1.05
381	6	Navigation Equipment	2.37	2.34	2.29	2.14	2.31	2.33	2.32	2.16	2.14
382	8	Measur Instruments	1.59	1.67	1.63	1.79	1.81	1.78	1.78	1.95	2.05
384	16	Medical Instruments	1.47	1.53	1.61	1.77	1.69	1.64	1.71	1.64	1.62
385	24	Ophthalmic Goods	0.84	0.86	0.75	0.96	0.96	1.18	1.17	1.23	1.30
386	78	Photographic Eqp	0.45	0.50	0.55	0.66	0.88	0.78	0.85	0.71	0.69
387	113	Watches, Clocks	0.14	0.14	0.14	0.23	0.24	0.36	0.27	0.41	0.28
391	48	Jewelry, Silverware	0.66	0.65	0.70	0.80	0.85	0.75	0.73	0.98	0.99
393	32	Musical Instruments	0.97	0.92	1.24	1.25	1.35	1.35	1.38	1.26	1.19
394	26	Toys/Sporting Goods	0.96	0.97	0.98	1.12	1.22	0.99	0.91	1.16	1.28
395	45	Pens, Pencils	1.35	1.42	1.17	1.26	1.23	1.19	1.02	1.19	1.01
396	34	Costume, Jewelry	0.52	0.47	0.71	0.72	0.82	0.83	0.88	0.93	1.18
399	53	Misc Manufacturing	0.92	0.92	0.81	0.80	0.89	0.89	0.92	0.94	0.93
		Total	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Table 4.C: California Manufacturing Employment Location Quotients											
Source: Annual Survey of Manufacturers and text equation (1)											
Ranked by 3-digit SIC codes and 1995 values											
1995											
Rank	SIC	Name	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
1	376	Missiles/Space Veh	4.71	4.87	4.68	4.51	4.56	4.89	5.11	4.80	4.74
2	316	Luggage	0.93	1.03	1.91	2.50	2.03	1.42	1.60	2.74	3.70
3	233	Women's Outerware	1.90	1.94	1.86	1.97	2.18	2.38	2.48	3.02	3.37
4	357	Computer/Office Eqp	2.49	2.47	2.59	2.56	2.48	2.84	2.74	2.49	2.50
5	367	Electronic Comp	2.34	2.29	2.22	2.18	2.18	2.18	2.27	2.38	2.39
6	381	Navigation Equipment	2.37	2.34	2.29	2.14	2.31	2.33	2.32	2.16	2.14
7	203	Canned Foods	1.95	1.89	2.03	2.07	2.16	2.09	2.26	2.18	2.14
8	382	Measur Instruments	1.59	1.67	1.63	1.79	1.81	1.78	1.78	1.95	2.05
9	366	Communication Eqp	1.52	1.54	1.51	1.45	1.38	1.56	1.71	1.87	2.05
10	302	Footwear, rub/ plastic	1.38	1.22	1.56	1.62	1.86	1.72	2.04	2.04	1.90
11	343	Plumbing & Heating	1.45	1.48	1.54	1.57	1.59	1.53	1.87	1.87	1.82
12	365	Audio/Video Eqp	1.47	1.67	1.59	1.69	2.13	1.64	1.74	1.79	1.77
13	208	Beverages	1.31	1.32	1.34	1.44	1.44	1.50	1.55	1.70	1.70
14	375	Motorcycles, Bicycles	1.79	1.75	1.78	1.58	1.34	1.45	1.38	1.48	1.67
15	372	Aircraft and Parts	1.85	1.85	2.06	2.11	1.96	1.90	1.75	1.70	1.66
16	384	Medical Instruments	1.47	1.53	1.61	1.77	1.69	1.64	1.71	1.64	1.62
17	319	Leather Goods, nec	2.17	2.07	1.44	1.02	1.24	1.74	1.30	1.62	1.58
18	291	Petroleum Refining	1.37	1.35	1.42	1.29	1.32	1.42	1.43	1.55	1.46
19	259	Misc Furniture	1.45	1.45	1.57	1.48	1.41	1.60	1.57	1.28	1.45
20	369	Misc Electrical	1.28	1.32	1.26	1.44	1.31	1.38	1.36	1.42	1.43
21	341	Metal Containers	1.33	1.34	1.27	1.20	1.20	1.32	1.36	1.53	1.40
22	347	Coating, Engraving	1.46	1.36	1.43	1.54	1.51	1.44	1.49	1.43	1.37
23	326	Pottery and Related	1.04	1.14	1.14	1.12	1.21	1.05	1.07	1.12	1.33
24	385	Ophthalmic Goods	0.84	0.86	0.75	0.96	0.96	1.18	1.17	1.23	1.30
25	209	Misc Food	1.21	1.19	1.16	1.08	1.12	1.28	1.26	1.34	1.29
26	394	Toys/Sporting Goods	0.96	0.97	0.98	1.12	1.22	0.99	0.91	1.16	1.28
27	238	Misc Apparel	0.82	0.87	1.16	1.19	1.11	1.36	1.39	1.05	1.27
28	279	Printing Trade	1.02	1.01	0.94	0.91	1.01	1.06	1.06	1.27	1.23
29	274	Misc Publishing	1.06	1.03	1.08	1.10	1.16	1.19	1.20	1.26	1.22
30	206	Sugar Products	1.16	1.24	1.20	1.09	1.12	1.11	1.10	1.19	1.20
31	355	Spec Indus Mach	0.81	0.81	0.81	0.81	0.92	0.97	0.99	1.11	1.19
32	393	Musical Instruments	0.97	0.92	1.24	1.25	1.35	1.35	1.38	1.26	1.19
33	283	Drugs	1.00	1.05	0.92	0.85	0.80	1.12	1.12	1.27	1.19
34	396	Costume, Jewelry	0.52	0.47	0.71	0.72	0.82	0.83	0.88	0.93	1.18
35	236	Girls' Outerware	0.63	0.66	0.70	0.71	0.75	1.04	0.92	0.97	1.17
36	271	Newspapers	1.06	1.09	1.11	1.08	1.14	1.13	1.11	1.19	1.13
37	272	Periodicals	0.72	0.71	0.78	0.80	0.81	0.88	0.93	1.05	1.08
38	345	Screws, Bolts, Etc	1.41	1.31	1.21	1.13	1.12	1.30	1.21	1.12	1.08
39	278	Blankbooks binding	0.96	0.96	0.83	0.92	0.97	1.13	1.19	1.21	1.07
40	359	Indus machinery, nec	1.36	1.33	1.27	1.18	1.21	1.09	1.11	0.99	1.05
41	379	Misc Transportation	1.32	1.28	1.40	1.45	1.43	1.40	1.16	1.32	1.05
42	205	Bakery Products	0.93	0.95	0.86	0.89	0.89	0.98	1.04	1.04	1.04
43	321	Flat Glass	0.72	0.70	0.76	0.84	0.89	1.00	1.02	1.04	1.03
44	324	Cement, Hydraulic	1.06	1.04	1.04	1.05	1.10	1.08	1.10	1.05	1.03
45	395	Pens, Pencils	1.35	1.42	1.17	1.26	1.23	1.19	1.02	1.19	1.01
46	295	Paving/Roofing Mat	0.72	0.67	0.77	0.72	0.72	0.75	0.77	1.02	1.00
47	251	Household Furniture	1.07	1.09	1.05	0.95	0.90	0.94	0.91	0.90	0.99
48	391	Jewelry, Silverware	0.66	0.65	0.70	0.80	0.85	0.75	0.73	0.98	0.99
49	239	Fabricated Textiles	0.99	0.99	0.96	0.97	1.01	1.01	1.00	1.01	0.99
50	334	Second Nonfer Met	1.06	1.00	1.02	1.07	1.44	0.88	0.93	0.96	0.98
51	276	Business Forms	0.88	0.87	0.89	0.82	0.84	0.82	0.86	0.93	0.95
52	308	Misc Plastics	0.97	1.00	0.98	0.98	0.93	0.96	0.97	0.92	0.94
53	399	Misc Manufacturing	0.92	0.92	0.81	0.80	0.89	0.89	0.92	0.94	0.93

Table 4.C: California Manufacturing Employment Location Quotients											
Source: Annual Survey of Manufacturers and text equation (1)											
Ranked by 3-digit SIC codes and 1995 values											
1995											
Rank	SIC	Name	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
54	344	Fabricated Structural	0.88	0.89	0.92	0.89	0.87	0.88	0.91	0.95	0.93
55	284	Soap, Cleaners, etc	0.80	0.86	0.80	0.84	0.89	0.94	0.90	0.99	0.93
56	254	Store Fixtures	1.07	1.01	1.08	1.06	1.11	0.88	0.94	0.91	0.92
57	285	Paints and Allied	1.02	0.97	0.94	0.99	1.06	0.97	0.99	1.01	0.90
58	202	Dairy Products	0.65	0.66	0.73	0.81	0.84	0.89	0.95	0.91	0.90
59	275	Commercial Printing	0.92	0.88	0.97	1.02	1.01	0.95	0.96	0.94	0.89
60	249	Misc Wood Products	0.90	0.88	0.90	0.84	0.86	0.90	0.85	0.94	0.89
61	342	Cutlery, Hand Tools	0.83	0.84	0.90	0.92	0.84	0.82	0.86	0.93	0.87
62	327	Concrete, Gypsum	0.86	0.91	0.95	1.00	0.99	0.90	0.92	0.89	0.86
63	265	Paperboard Boxes	0.78	0.78	0.77	0.77	0.78	0.79	0.84	0.88	0.86
64	244	Wood Containers	0.98	0.96	1.10	1.03	1.00	1.06	1.00	0.90	0.83
65	299	Misc Petroleum	0.81	0.86	0.87	0.86	0.97	0.73	0.67	0.86	0.82
66	364	Lighting/Wiring Equip	0.80	0.82	0.76	0.73	0.70	0.82	0.88	0.81	0.82
67	234	Women's Underware	0.64	0.45	0.50	0.58	0.68	0.60	0.64	0.91	0.79
68	317	Personal Leather	0.62	0.60	0.54	0.46	0.62	0.82	0.91	0.85	0.79
69	252	Office Furniture	1.09	1.04	1.05	0.97	0.74	1.01	0.95	0.89	0.79
70	232	Men's/Boys' Furnish	0.44	0.45	0.47	0.44	0.44	0.47	0.51	0.64	0.77
71	322	Glassware, Pressed	0.97	1.02	1.03	0.96	0.99	0.85	0.85	0.84	0.76
72	243	Millwork, Plywood	0.89	0.90	0.92	0.97	0.92	0.80	0.74	0.78	0.75
73	207	Fats and Oils	0.68	0.66	0.72	0.75	0.68	0.69	0.67	0.71	0.74
74	323	Purchased Glass	0.88	0.97	0.84	0.83	0.90	0.70	0.72	0.72	0.73
75	349	Misc Fabr Metals	0.70	0.69	0.67	0.65	0.66	0.72	0.70	0.72	0.73
76	351	Engines/Turbines	0.71	0.83	0.41	0.37	0.36	0.72	0.63	0.63	0.73
77	336	Nonfer Foundries	1.01	1.00	1.02	0.99	1.01	0.78	0.78	0.70	0.71
78	386	Photographic Eqp	0.45	0.50	0.55	0.66	0.88	0.78	0.85	0.71	0.69
79	267	Convert Products	0.60	0.58	0.51	0.56	0.54	0.63	0.63	0.64	0.67
80	204	Grain Mill Products	0.66	0.61	0.61	0.59	0.57	0.62	0.66	0.70	0.66
81	373	Boat Build/Repair	0.69	0.62	0.62	0.60	0.60	0.72	0.70	0.70	0.66
82	329	Nonmetallic Mineral	0.60	0.61	0.58	0.54	0.49	0.71	0.72	0.58	0.65
83	273	Books	0.64	0.58	0.64	0.70	0.73	0.67	0.77	0.63	0.64
84	289	Misc Chemicals	0.72	0.76	0.80	0.77	0.83	0.80	0.77	0.63	0.64
85	306	Rubber Products, nec	0.69	0.80	0.70	0.69	0.69	0.72	0.69	0.65	0.62
86	362	Electrical Indusl App	0.63	0.66	0.60	0.59	0.59	0.63	0.61	0.61	0.61
87	328	Cut Stone Products	0.53	0.59	0.65	0.61	0.63	0.52	0.46	0.62	0.60
88	227	Carpets and rugs	0.61	0.75	0.53	0.51	0.60	0.59	0.61	0.58	0.59
89	356	Genl Indus Mach	0.63	0.64	0.72	0.74	0.74	0.65	0.65	0.61	0.57
90	242	Saw/Planing Mills	0.82	0.78	0.68	0.75	0.72	0.68	0.71	0.64	0.56
91	339	Misc Primary Metal	0.60	0.53	0.54	0.54	0.57	0.64	0.60	0.58	0.55
92	229	Misc Textile Goods	0.49	0.48	0.50	0.52	0.43	0.44	0.35	0.47	0.54
93	253	Public Building Furni	1.09	0.89	0.77	0.78	0.77	0.92	0.77	0.74	0.52
94	325	Structural Clay	0.47	0.55	0.60	0.60	0.59	0.50	0.57	0.57	0.51
95	241	Logging	0.53	0.51	0.59	0.61	0.63	0.46	0.53	0.52	0.51
96	305	Rubber belting ETC	0.56	0.51	0.47	0.53	0.63	0.72	0.74	0.56	0.51
97	346	Metal Forgings	0.49	0.47	0.50	0.56	0.59	0.47	0.46	0.48	0.48
98	314	Footwear, Exc Rub	0.17	0.17	0.14	0.11	0.17	0.22	0.26	0.37	0.47
99	348	Ordnance, nec	0.61	0.57	0.59	0.55	0.42	0.39	0.45	0.54	0.47
100	358	Refrigeration Mach	0.54	0.47	0.48	0.50	0.55	0.51	0.52	0.50	0.47
101	354	Metalworking Mach	0.46	0.45	0.43	0.41	0.40	0.44	0.44	0.43	0.45
102	287	Ag Chemicals	0.39	0.38	0.55	0.55	0.53	0.62	0.56	0.59	0.44
103	281	Inorganic Chemicals	0.32	0.33	0.31	0.39	0.40	0.36	0.48	0.41	0.41
104	201	Meat Products	0.39	0.44	0.46	0.45	0.47	0.41	0.41	0.39	0.40
105	335	Nonferrous Rolling	0.50	0.44	0.53	0.50	0.49	0.39	0.42	0.39	0.39
106	245	Wood Buildings	0.69	0.69	0.74	0.81	0.72	0.47	0.43	0.42	0.37

Table 4.C: California Manufacturing Employment Location Quotients											
Source: Annual Survey of Manufacturers and text equation (1)											
Ranked by 3-digit SIC codes and 1995 values											
1995											
Rank	SIC	Name	Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
107	371	Motor Vehicles Equip	0.40	0.40	0.42	0.41	0.40	0.39	0.35	0.38	0.37
108	361	Electric Trans Equip	0.56	0.50	0.50	0.49	0.50	0.39	0.46	0.33	0.37
109	332	Iron/Steel Foundries	0.41	0.39	0.38	0.36	0.32	0.36	0.36	0.35	0.35
110	226	Textile Finishing	0.32	0.33	0.36	0.38	0.30	0.33	0.36	0.34	0.31
111	311	Leather Tanning	0.49	0.47	0.44	0.34	0.46	0.39	0.36	0.31	0.30
112	353	Construction Equip	0.36	0.33	0.33	0.32	0.31	0.28	0.30	0.28	0.28
113	387	Watches, Clocks	0.14	0.14	0.14	0.23	0.24	0.36	0.27	0.41	0.28
114	263	Paperboard Mills	0.34	0.33	0.32	0.33	0.30	0.30	0.31	0.28	0.27
115	224	Narrow Fabric Mills	0.27	0.25	0.29	0.31	0.26	0.27	0.27	0.24	0.26
116	315	Leather Gloves	0.33	0.34	0.32	0.21	0.30	0.33	0.32	0.26	0.25
117	331	Blast Furnace	0.22	0.20	0.22	0.22	0.23	0.23	0.24	0.24	0.25
118	352	Farm/Garden Mach	0.38	0.34	0.31	0.28	0.21	0.22	0.26	0.25	0.24
119	261	Pulp Mills	0.19	0.18	0.20	0.18	0.17	0.20	0.23	0.22	0.21
120	286	Organic Chemicals	0.25	0.23	0.16	0.15	0.16	0.11	0.12	0.14	0.21
121	313	Footware cut stock	0.21	0.22	0.18	0.11	0.15	0.25	0.25	0.21	0.21
122	363	Household App	0.25	0.23	0.21	0.20	0.20	0.22	0.18	0.18	0.19
123	225	Knitting Mills	0.22	0.19	0.26	0.29	0.36	0.25	0.25	0.28	0.19
124	333	Primary Nonfer Met	0.23	0.21	0.21	0.20	0.20	0.21	0.25	0.17	0.17
125	262	Paper Mills	0.13	0.13	0.15	0.14	0.14	0.16	0.16	0.15	0.16
126	282	Plastic & Synthetics	0.12	0.12	0.11	0.15	0.16	0.14	0.14	0.14	0.14
127	223	Fabric Mills, Wool	0.14	0.12	0.12	0.13	0.11	0.13	0.13	0.12	0.13
128	277	Greeting Cards	0.11	0.12	0.10	0.10	0.10	0.12	0.17	0.17	0.13
129	301	Tires/Inner Tubes	0.07	0.06	0.07	0.07	0.10	0.11	0.11	0.10	0.12
130	235	Hats, Caps, Millinery	0.47	0.50	0.53	0.47	0.50	0.54	0.59	0.00	0.09
131	374	Railroad Equipment	0.07	0.05	0.05	0.04	0.04	0.05	0.06	0.06	0.09
132	228	Yarn/Thread Mills	0.07	0.07	0.08	0.08	0.07	0.08	0.08	0.08	0.08
133	237	Fur Goods	0.06	0.06	0.06	0.06	0.09	0.16	0.24	0.00	0.05
134	231	Men's & Boys' Outer	0.10	0.10	0.11	0.12	0.13	0.16	0.20	0.00	0.04
135	222	Fabric Mills, Other	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03
136	221	Fabric Mills, Cotton	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
137	211	Cigarettes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	212	Cigars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	213	Other Tobacco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	214	Tobacco Processing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 5: California Computer Employment 4-digit Location Quotients								
Source: County Business Patterns and text equation (1)								
SIC	Description	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994
357	Computer and Office	2.24	2.56	2.55	2.56	2.63	2.60	2.63
3571	Computers	(NA)	2.91	2.95	3.05	0.88	3.14	3.10
3572	Storage Devices	(NA)	4.48	3.83	3.94	1.19	3.22	3.59
3575	Terminals	2.48	1.77	2.03	2.25	12.72	3.12	3.03
3577	Peripherals	(NA)	1.79	2.06	2.00	0.05	2.21	2.23
3578	Calculating	1.54	2.35	1.67	0.88	2.30	0.00	0.93
3579	Nec	0.39	0.83	0.69	0.66	3.53	0.73	0.63
737	Computer and Data	1.32	1.31	1.29	1.27	1.27	1.30	1.36
7371	Programming services	(NA)	1.51	1.41	1.37	1.39	1.34	1.26
7372	Prepackaged software	1.64	1.72	1.84	1.85	2.02	1.98	2.45
7373	Integrated systems	(NA)	1.55	1.57	1.73	1.61	1.39	0.97
7374	Data processing	0.99	1.04	1.03	0.97	0.84	0.92	0.94
7375	Information retrieval	(NA)	0.78	0.75	0.73	0.83	1.20	1.57
7376	Facilities management	(NA)	0.92	0.73	0.72	0.93	1.40	1.63
7377	Rental and leasing	(NA)	0.93	0.77	0.51	0.78	1.22	1.55
7378	Maintenance	(NA)	1.42	1.28	1.42	1.45	1.32	1.55
7379	N.e.c	1.30	1.11	1.37	1.04	1.08	1.24	1.20

Table 6.A: California Manufacturing Sales, 2-digit SIC Codes										
Source: Annual Survey of Manufacturers, in \$ Millions										
SIC		Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
20	Food	35451	36546	38817	41402	41651	44297	45424	46772	47864
21	Tobacco	0	0	0	0	0	0	0	0	0
22	Textile mills	1654	1742	1682	1692	1808	1729	1713	1952	1939
23	Apparel	8285	8981	8345	9122	9657	11232	12024	12678	13689
24	Lumber	6714	7012	7258	7347	6487	6565	7280	7571	6831
25	Furniture	4623	4719	4746	4698	4222	4702	4779	4457	4937
26	Paper	6744	7350	7674	7589	7393	7806	7642	8102	9237
27	Printing	13943	14581	15942	17604	17335	17705	17922	18319	19263
28	Chemical	11097	12593	12604	13894	14272	16355	18072	17671	18057
29	Petroleum	17059	17049	18221	21516	19797	18775	18076	17949	18413
30	Rubber	7787	8872	8960	8878	8374	9322	10055	10317	10932
31	Leather	465	490	473	476	509	487	407	487	511
32	Stone, glass	6591	6856	7320	7228	6308	5935	5952	6137	6584
33	Metal, Prime	4976	5585	6154	5894	5670	4958	5150	5734	6116
34	Metal Fabr	13765	14931	15328	15401	14783	14580	14657	15655	17158
35	Machinery	27044	30759	30831	32304	30473	35617	36224	42761	48495
36	Electronic	26541	29924	29963	29755	30737	34995	36535	41875	54264
37	Transp Eq	36922	39377	41216	41653	42283	42469	39497	35276	33076
38	Instruments	19912	21317	19989	22678	23879	24700	24849	24598	26230
39	Misc	3157	3517	3700	4059	3976	4049	4160	4584	5169
	Total	252729	272202	279221	293190	289613	306277	310418	322896	348765

Table 6.B: California Manufacturing Sales, 3-digit SIC codes										
Source: Annual Survey of Manufacturers, in \$ Millions										
SIC		Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
201	Meat Products	3379	3323	3780	4064	3851	3877	4015	3989	4360
202	Dairy Products	4178	4339	4621	5697	5653	6247	6442	6633	6901
203	Canned Foods	7905	7870	8851	9442	9955	9809	10184	10439	10557
204	Grain Mill Products	2661	2892	3052	3145	2963	3463	3399	4000	4137
205	Bakery Products	2386	2504	2598	2799	2642	2840	2921	3048	3136
206	Sugary Products	2661	2731	2753	2731	2773	3066	3020	3206	3163
207	Fats and Oils	847	926	1051	914	907	901	989	924	895
208	Beverages	7669	8132	8257	8692	8821	9652	9917	9812	10241
209	Misc Food	3765	3830	3855	3920	4087	4442	4537	4722	4475
211	Cigarettes	0	0	0	0	0	0	0	0	0
212	Cigars	0	0	0	0	0	0	0	0	0
213	Other Tobacco	0	0	0	0	0	0	0	0	0
214	Tobacco Processing	0	0	0	0	0	0	0	0	0
221	Fabric Mills, Cotton	15	17	16	17	15	16	16	17	19
222	Fabric Mills, Other	19	22	21	21	20	21	20	21	24
223	Fabric Mills, Wool	6	6	6	6	6	6	6	6	7
224	Narrow Fabric Mills	42	48	45	46	43	45	44	46	52
225	Knitting Mills	358	269	382	404	667	523	494	620	533
226	Textile Finishing	154	176	165	169	155	164	195	151	166
227	Carpets and rugs	688	777	648	622	526	557	585	635	632
228	Yarn/Thread Mills	82	94	88	90	83	88	86	89	102
229	Misc Textile Goods	290	332	311	318	293	310	267	368	404
231	Men's & Boys' Outer	46	52	51	63	70	62	49	50	45
232	Men's/Boys' Furnish	1110	1154	1091	1089	1666	1949	2485	2409	2952
233	Women's Outerware	4785	5352	4714	5214	5134	6264	6616	6970	7345
234	Women's Underware	324	228	297	350	354	336	318	358	435
235	Hats, Caps, Millinery	30	34	33	41	45	40	32	32	29
236	Girls' Outerware	340	382	374	462	516	453	499	629	535
237	Fur Goods	4	4	4	5	6	5	4	4	4
238	Misc Apparel	197	229	238	255	235	340	295	341	338
239	Fabricated Textiles	1448	1546	1543	1643	1631	1784	1726	1886	2006
241	Logging	659	721	729	769	626	603	730	746	605
242	Saw/Planing Mills	2324	2503	2359	2367	2296	2421	2818	2630	2189
243	Millwork, Plywood	2179	2172	2381	2355	1944	1999	2134	2451	2245
244	Wood Containers	286	313	321	397	375	414	422	470	451
245	Wood Buildings	522	552	577	606	452	276	327	330	312
249	Misc Wood Products	745	750	892	854	795	854	848	945	1030
251	Household Furniture	2343	2433	2393	2256	2042	2249	2304	2077	2313
252	Office Furniture	891	849	837	713	577	753	714	723	668
253	Public Building Furni	209	187	207	228	225	343	343	333	285
254	Store Fixtures	637	648	663	756	671	659	747	681	834
259	Misc Furniture	544	602	647	745	707	698	671	644	837
261	Pulp Mills	134	157	164	158	138	140	107	121	150
262	Paper Mills	577	678	707	681	593	604	461	519	644
263	Paperboard Mills	600	637	670	641	579	599	590	655	823
265	Paperboard Boxes	2970	3224	3409	3408	3239	3446	3687	3861	4531
267	Convert Products	2462	2654	2724	2700	2844	3018	2796	2946	3089
271	Newspapers	3925	4155	4432	4746	4562	4350	4319	4242	4342
272	Periodicals	1372	1382	1677	1853	1745	1922	2008	2016	2404
273	Books	910	973	1155	1388	1535	1479	1692	1634	1601
274	Misc Publishing	1395	1444	1406	1619	1858	1965	2008	1967	1993
275	Commercial Printing	4588	4762	5462	6071	5788	5962	5823	6234	6673
276	Business Forms	773	845	817	786	719	650	703	679	728
277	Greeting Cards	21	22	22	25	26	36	37	38	43
278	Blankbooks binding	426	441	443	500	522	709	714	789	764

Table 6.B: California Manufacturing Sales, 3-digit SIC codes

Source: Annual Survey of Manufacturers, in \$ Millions

SIC		Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
279	Printing Trade	534	559	528	615	580	632	619	720	715
281	Inorganic Chemicals	998	1090	1133	1326	1257	1280	1612	1152	1089
282	Plastic & Synthetics	695	759	789	924	875	891	844	891	1016
283	Drugs	2773	3138	3187	3474	4206	6146	7424	7596	8184
284	Soap, Cleaners, etc	2560	2936	2882	3511	3249	3398	3481	3361	2975
285	Paints and Allied	1523	1619	1705	1721	1847	1759	1840	1858	1748
286	Organic Chemicals	817	1279	681	672	632	615	615	635	1088
287	Ag Chemicals	546	519	839	815	759	854	890	802	460
289	Misc Chemicals	1184	1255	1388	1452	1447	1413	1367	1376	1497
291	Petroleum Refining	15639	15563	16647	19881	18216	17277	16548	16352	16882
295	Paving/Roofing Mat	858	878	927	893	849	859	858	867	869
299	Misc Petroleum	562	608	648	742	732	639	670	730	663
301	Tires/Inner Tubes	129	152	151	159	175	241	286	179	185
302	Footwear, rub/ plastic	69	82	81	85	94	129	153	96	99
305	Rubber belting ETC	253	262	241	267	245	363	398	415	404
306	Rubber Products, nec	600	748	742	757	688	697	756	720	742
308	Misc Plastics	6736	7629	7745	7611	7172	7892	8462	8907	9502
311	Leather Tanning	91	96	93	94	100	96	70	74	78
313	Footware cut stock	6	7	6	6	7	7	5	5	5
314	Footwear, Exc Rub	95	100	97	97	104	100	93	112	139
315	Leather Gloves	5	5	5	5	5	5	4	4	4
316	Luggage	112	118	114	115	123	117	111	165	158
317	Personal Leather	55	58	56	56	60	57	42	44	46
319	Leather Goods, nec	101	106	103	103	110	105	82	83	81
321	Flat Glass	258	223	241	251	227	230	258	288	346
322	Glassware, Pressed	1089	1107	1129	1107	1054	982	965	961	902
323	Purchased Glass	424	448	485	482	470	438	431	481	478
324	Cement, Hydraulic	621	633	612	630	537	524	573	550	560
325	Structural Clay	152	182	181	194	165	140	133	149	151
326	Pottery and Related	197	247	227	214	227	241	244	284	430
327	Concrete, Gypsum	3086	3226	3691	3606	3016	2622	2617	2727	2925
328	Cut Stone Products	65	78	77	82	70	60	48	60	55
329	Nonmetallic Mineral	698	714	677	662	542	699	684	638	736
331	Blast Furnace	1730	1975	2270	2278	2440	2158	2216	2660	2550
332	Iron/Steel Foundries	421	487	488	444	389	415	452	452	532
333	Primary Nonfer Met	151	179	151	152	141	208	235	221	214
334	Second Nonfer Met	539	712	725	736	644	405	403	473	567
335	Nonferrous Rolling	1429	1428	1704	1503	1301	1094	1157	1243	1443
336	Nonfer Foundries	568	641	680	642	626	489	512	461	560
339	Misc Primary Metal	138	163	138	139	129	190	176	225	250
341	Metal Containers	1827	1981	1946	1928	1923	1897	1791	1875	1931
342	Cutlery, Hand Tools	1133	1202	1446	1317	1162	1235	1285	1577	1554
343	Plumbing & Heating	796	901	950	912	895	892	958	1045	1197
344	Fabricated Structural	3851	4264	4397	4361	4014	4105	4150	4500	5105
345	Screws, Bolts, Etc	1202	1183	1126	1150	1142	1108	1022	998	1098
346	Metal Forgings	1297	1323	1489	1659	1619	1315	1385	1488	1659
347	Coating, Engraving	1145	1249	1336	1446	1344	1369	1445	1443	1520
348	Ordnance, nec	658	702	569	415	556	360	410	308	334
349	Misc Fabr Metals	1856	2128	2070	2212	2129	2299	2211	2420	2760
351	Engines/Turbines	731	938	785	802	1026	919	926	901	1460
352	Farm/Garden Mach	314	336	327	287	233	232	298	275	275
353	Construction Equip	918	902	849	877	824	697	722	737	802
354	Metalworking Mach	1072	1270	1165	1170	1008	1176	1194	1200	1494
355	Spec Indus Mach	1602	1881	2138	2324	2344	2668	3172	4127	5377
356	Genl Indus Mach	1598	1870	1961	2015	2097	2217	2328	2227	2681

Table 6.B: California Manufacturing Sales, 3-digit SIC codes										
Source: Annual Survey of Manufacturers, in \$ Millions										
SIC		Y1987	Y1988	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
357	Computer/Office Eqp	16293	18958	18924	20309	18529	23271	23444	28516	30817
358	Refrigeration Mach	1251	1225	1284	1360	1325	1401	1329	1570	1679
359	Indus machinery, nec	3266	3381	3396	3161	3087	3038	2810	3209	3910
361	Electric Trans Equip	494	569	559	503	503	371	398	362	407
362	Electrical Industl App	916	1049	994	965	905	1141	1177	1262	1357
363	Household App	428	421	459	406	364	464	421	536	554
364	Lighting/Wiring Equip	1556	1669	1520	1524	1336	1581	1677	1935	1884
365	Audio/Video Eqp	1522	1863	2065	1969	2413	2420	2739	3150	4066
366	Communication Eqp	5272	5779	5626	5475	5400	7542	7957	9641	13203
367	Electronic Comp	13595	15417	16001	15622	16754	18224	18869	21359	28799
369	Misc Electrical	2759	3158	2740	3290	3061	3252	3298	3630	3994
371	Motor Vehicles Eqp	6027	6640	6898	6802	5941	5783	6648	7904	8348
372	Aircraft and Parts	14623	14767	16372	16957	20074	19552	16651	14493	13527
373	Boat Build/Repair	931	908	989	982	906	1108	1055	1313	1248
374	Railroad Equipment	38	37	40	40	37	45	49	51	53
375	Motorcycles, Bicycles	164	157	184	209	211	309	336	348	367
376	Missiles/Space Veh	14118	15871	15650	15587	14120	14457	13622	10112	8706
379	Misc Transportation	1022	997	1085	1077	994	1216	1136	1057	826
381	Navigation Equipment	9811	10054	8582	8795	9766	8967	8870	6834	6375
382	Measur Instruments	5239	5899	5545	6420	6421	7074	6947	8586	10145
384	Medical Instruments	4051	4478	4811	6086	6346	7526	7862	8009	8461
385	Ophthalmic Goods	177	212	270	281	245	393	441	455	497
386	Photographic Eqp	622	659	761	1076	1083	713	697	688	729
387	Watches, Clocks	13	15	19	20	17	28	31	26	24
391	Jewelry, Silverware	421	445	423	392	372	479	423	486	550
393	Musical Instruments	91	93	107	132	122	149	139	153	157
394	Toys/Sporting Goods	944	1168	1329	1499	1557	1340	1515	1863	2183
395	Pens, Pencils	426	460	477	633	512	579	519	555	479
396	Costume, Jewelry	104	106	122	150	138	170	177	196	223
399	Misc Manufacturing	1170	1245	1243	1254	1276	1334	1386	1332	1576
	Total	252729	272202	279221	293190	289613	306277	310418	322896	348765

Table 7: US Sales in Computer Service Industries										
Annual Survey of Service Industries, in \$ Millions										
		1987	1988	1989	1990	1991	1992	1993	1994	1995
73	Business	188856	223369	251648	280699	287214	309439	336491	374850	424322
737	Computer programming	56004	68305	78653	88299	94363	104651	116834	133143	152213
7371	Programming services	(NA)	(NA)	(NA)	21318	23376	24973	27964	32434	37447
7372	Prepackaged software	(NA)	(NA)	(NA)	16523	18306	21236	24648	27597	31087
7373	Integrated systems	(NA)	(NA)	(NA)	12916	13751	15177	17084	18953	20592
7374	Data processing	(NA)	(NA)	(NA)	17820	18824	20447	22604	26641	31144
7375	Information retrieval	(NA)	(NA)	(NA)	3547	3691	3931	4316	4644	5489
7376	Facilities management	(NA)	(NA)	(NA)	1994	2206	2608	2638	2814	3110
7377	Rental and leasing	(NA)	(NA)	(NA)	2644	2396	2385	2252	2205	2213
7378	Maintenance	(NA)	(NA)	(NA)	7000	6919	7660	7559	7764	8228
7379	N.e.c	(NA)	(NA)	(NA)	4537	4894	6234	7769	10091	12903

Table 8.A: US Manufacturing, Gross Export Share									
Source: International Trade Administration and text equation (2), in percent									
Ranked by 3-digit SIC codes and 1995 values									
1995									
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
20	17	Food	4.2	4.3	4.6	5.0	5.0	5.5	6.0
21	4	Tobacco	16.4	20.2	16.6	14.6	17.2	21.9	18.9
22	13	Textile mills	4.2	5.6	6.3	6.4	6.4	6.6	7.2
23	15	Apparel	2.8	3.4	4.3	4.8	5.4	5.8	6.6
24	14	Lumber	8.2	9.0	9.6	8.4	7.7	6.9	7.0
25	18	Furniture	2.4	3.7	5.1	5.6	5.8	5.8	5.3
26	9	Paper	6.1	6.5	7.2	7.6	7.1	7.7	8.7
27	20	Printing	1.9	2.1	2.4	2.4	2.5	2.4	2.4
28	6	Chemical	13.9	14.2	15.4	14.8	14.5	15.7	17.2
29	19	Petroleum	3.3	3.8	4.4	4.2	4.2	3.8	3.9
30	12	Rubber	4.8	6.1	6.8	6.8	6.9	7.3	7.5
31	10	Leather	6.3	7.4	8.1	8.3	8.3	8.0	8.1
32	16	Stone, glass	3.9	4.9	5.6	5.8	5.8	5.9	6.2
33	8	Metal, Prime	7.2	8.3	10.8	10.0	12.9	9.6	10.8
34	11	Metal Fabr	5.5	6.8	7.6	7.9	7.9	7.2	7.6
35	1	Machinery	23.9	26.8	30.7	29.9	28.4	28.1	29.1
36	2	Electronic	17.1	21.0	22.5	22.7	24.1	25.6	27.8
37	5	Transp Eq	14.6	17.9	20.8	20.7	19.0	18.4	17.2
38	3	Instruments	16.2	17.5	19.2	19.0	19.5	20.8	22.8
39	7	Misc	10.2	12.0	13.2	13.2	12.7	13.8	14.6
		Total	10.0	11.4	12.8	12.8	12.8	13.2	13.9

Table 8.B: US Manufacturing, Gross Export Share										
Source: International Trade Administration and text equation (2), in percent										
Ranked by 3-digit SIC codes and 1995 values										
1995										
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995	
201	69	Meat Products	5.7	5.8	6.0	6.4	6.1	7.4	8.9	
202	121	Dairy Products	1.0	0.9	1.1	1.6	1.8	1.6	1.6	
203	89	Canned Foods	3.4	4.1	4.3	4.9	4.8	5.2	5.6	
204	77	Grain Mill Products	7.4	7.0	7.3	7.4	7.5	7.7	7.4	
205	124	Bakery Products	0.4	0.7	0.8	1.0	1.1	1.2	1.1	
206	76	Sugar Products	5.3	6.2	6.4	6.5	7.1	7.7	7.5	
207	35	Fats and Oils	14.5	12.6	14.3	16.9	14.4	15.4	19.7	
208	109	Beverages	1.8	1.9	2.2	2.4	2.6	3.0	3.1	
209	94	Misc Food	2.6	2.8	3.8	4.2	4.6	5.4	4.8	
211	31	Cigarettes	18.3	22.9	18.4	16.3	19.8	25.1	21.0	
212	119	Cigars	2.9	2.6	2.0	2.8	1.8	2.0	1.7	
213	32	Other Tobacco	20.1	17.5	19.3	17.3	18.8	21.6	20.9	
214	107	Tobacco Processing	1.4	1.9	2.4	1.8	1.7	2.3	3.4	
221	57	Fabric Mills, Cotton	6.1	8.7	8.6	8.8	9.3	10.4	11.2	
222	58	Fabric Mills, Other	7.4	8.6	9.1	9.8	10.4	10.6	10.9	
223	87	Fabric Mills, Wool	1.9	2.7	3.3	5.9	4.8	4.5	6.0	
224	19	Narrow Fabric Mills	15.4	18.6	20.8	20.5	22.7	24.6	28.7	
225	100	Knitting Mills	1.4	2.3	2.8	3.1	3.2	3.3	4.0	
226	138	Textile Finishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
227	86	Carpets and rugs	3.8	5.7	8.2	7.5	7.1	6.5	6.2	
228	110	Yarn/Thread Mills	1.7	2.4	2.6	2.2	1.9	2.4	3.1	
229	41	Misc Textile Goods	10.6	13.7	15.6	15.8	15.4	15.7	16.1	
231	66	Men's & Boys' Outer	2.4	4.3	5.5	6.7	8.0	10.0	9.9	
232	71	Men's/Boys' Furnish	3.5	4.4	5.5	6.4	7.7	8.1	8.6	
233	114	Women's Outerware	1.0	1.2	1.5	2.0	2.1	2.1	2.5	
234	61	Women's Underware	6.4	6.5	7.9	8.2	9.1	9.2	10.7	
235	98	Hats, Caps, Millinery	2.2	3.1	3.8	3.8	4.4	4.3	4.1	
236	56	Girls' Outerware	3.0	3.6	4.9	6.0	6.7	7.8	11.4	
237	5	Fur Goods	12.5	11.5	19.8	28.5	22.7	25.3	44.8	
238	67	Misc Apparel	4.1	4.5	6.6	6.2	7.0	7.8	9.7	
239	91	Fabricated Textiles	3.0	3.4	4.4	4.3	4.5	4.8	5.0	
241	29	Logging	30.7	30.9	30.5	24.4	23.5	21.1	21.6	
242	75	Saw/Planing Mills	9.8	10.7	11.5	9.9	8.6	7.5	7.8	
243	105	Millwork, Plywood	2.9	3.7	4.0	4.1	3.8	3.5	3.6	
244	120	Wood Containers	1.4	2.0	2.2	2.1	2.0	1.8	1.6	
245	127	Wood Buildings	0.7	0.9	3.5	1.2	0.7	0.9	0.9	
249	96	Misc Wood Products	3.5	4.5	4.7	4.6	4.3	4.2	4.3	
251	131	Household Furniture	0.3	0.3	0.4	0.4	0.4	0.4	0.4	
252	135	Office Furniture	0.3	0.1	0.1	0.1	0.1	0.1	0.1	
253	139	Public Building Furni	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
254	118	Store Fixtures	1.1	1.3	1.8	2.0	2.0	2.7	1.8	
259	18	Misc Furniture	11.3	19.8	29.7	35.1	35.4	32.9	29.1	
261	1	Pulp Mills	63.0	57.4	65.1	75.6	68.5	72.9	80.7	
262	49	Paper Mills	7.7	8.9	11.4	12.2	12.0	12.9	13.3	
263	137	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
265	112	Paperboard Boxes	1.4	1.7	2.0	2.2	2.4	2.6	2.8	
267	90	Convert Products	2.6	3.3	3.9	4.1	4.4	4.8	5.0	
271	136	Newspapers	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
272	106	Periodicals	2.3	3.4	3.6	3.4	3.3	3.7	3.6	
273	78	Books	6.5	7.6	7.7	8.2	7.7	7.5	7.3	
274	129	Misc Publishing	0.5	0.4	0.6	0.7	0.7	0.6	0.8	
275	116	Commercial Printing	2.0	1.9	2.4	2.2	2.4	2.0	2.1	
276	134	Business Forms	0.1	0.1	0.2	0.2	0.2	0.2	0.2	

Table 8.B: US Manufacturing, Gross Export Share									
Source: International Trade Administration and text equation (2), in percent									
Ranked by 3-digit SIC codes and 1995 values									
	1995								
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
277	108	Greeting Cards	0.9	1.3	1.3	1.4	1.4	1.8	3.2
278	115	Blankbooks binding	0.8	1.4	1.9	2.0	2.1	2.0	2.2
279	122	Printing Trade	1.0	1.2	1.2	1.2	1.1	1.3	1.6
281	21	Inorganic Chemicals	22.1	20.3	21.7	22.5	21.7	25.0	27.6
282	25	Plastic & Synthetics	17.4	20.7	25.5	22.5	21.7	22.5	24.7
283	64	Drugs	9.2	9.9	9.8	10.4	10.5	10.3	10.1
284	74	Soap, Cleaners, etc	4.2	4.7	5.6	6.2	6.5	7.7	7.9
285	88	Paints and Allied	3.2	4.1	5.0	5.3	5.3	5.6	5.9
286	27	Organic Chemicals	16.4	16.1	17.1	16.8	17.5	19.2	22.6
287	20	Ag Chemicals	31.7	27.7	30.2	25.0	21.0	25.5	28.0
289	46	Misc Chemicals	12.5	13.4	14.8	13.9	14.2	14.0	14.9
291	101	Petroleum Refining	3.1	3.6	4.4	4.1	4.3	3.8	3.9
295	125	Paving/Roofing Mat	0.5	0.9	1.0	1.1	1.1	1.2	1.0
299	63	Misc Petroleum	12.7	13.3	10.9	9.4	7.2	7.7	10.3
301	51	Tires/Inner Tubes	6.4	8.7	10.0	11.0	10.7	11.2	12.5
302	99	Footwear, rub/ plastic	2.7	4.4	4.8	4.2	3.8	4.0	4.0
305	38	Rubber belting ETC	11.8	14.3	17.4	16.0	16.8	17.0	18.0
306	80	Rubber Products, nec	4.6	6.3	6.9	6.3	6.2	7.0	6.9
308	85	Misc Plastics	4.1	5.0	5.6	5.6	5.8	6.2	6.3
311	30	Leather Tanning	24.5	33.2	34.0	25.9	25.2	22.6	21.1
313	11	Footware cut stock	22.2	20.3	21.2	25.5	26.4	25.2	35.8
314	104	Footwear, Exc Rub	2.2	2.9	3.7	3.8	3.5	3.7	3.7
315	102	Leather Gloves	3.8	4.5	4.7	4.1	4.3	3.9	3.9
316	79	Luggage	3.3	4.4	5.5	7.0	6.8	7.1	7.3
317	93	Personal Leather	2.1	2.5	2.8	3.3	3.9	4.1	4.8
319	37	Leather Goods, nec	7.6	6.4	9.4	11.5	11.0	16.9	18.1
321	15	Flat Glass	13.8	21.8	26.5	27.1	28.9	26.5	30.3
322	62	Glassware, Pressed	6.5	8.0	8.8	8.9	8.6	9.1	10.6
323	82	Purchased Glass	4.2	5.9	6.1	6.2	6.5	6.8	6.8
324	126	Cement, Hydraulic	0.6	0.9	1.2	1.2	1.1	0.9	1.0
325	97	Structural Clay	3.2	3.8	4.3	3.9	4.2	3.5	4.3
326	53	Pottery and Related	7.5	9.0	9.9	10.0	11.3	11.4	12.3
327	130	Concrete, Gypsum	0.4	0.5	0.6	0.7	0.5	0.5	0.5
328	117	Cut Stone Products	1.8	2.6	3.1	2.6	2.6	2.5	2.0
329	55	Nonmetallic Mineral	7.7	9.5	10.8	11.4	11.2	11.8	12.2
331	84	Blast Furnace	4.4	4.6	6.6	5.3	4.6	4.3	6.3
332	113	Iron/Steel Foundries	2.6	2.4	2.7	3.1	2.4	2.2	2.7
333	12	Primary Nonfer Met	21.6	29.3	37.2	37.4	96.9	39.5	32.6
334	133	Second Nonfer Met	0.2	0.2	0.2	0.1	0.2	0.2	0.2
335	43	Nonferrous Rolling	8.8	10.6	13.2	13.5	13.8	14.4	15.6
336	128	Nonfer Foundries	1.2	0.6	1.0	0.5	0.6	0.6	0.8
339	95	Misc Primary Metal	4.1	4.4	4.6	4.3	4.7	4.1	4.7
341	111	Metal Containers	1.0	1.4	1.9	2.7	2.8	2.7	3.1
342	54	Cutlery, Hand Tools	7.8	9.9	11.0	11.6	12.0	12.2	12.2
343	92	Plumbing & Heating	4.0	4.5	5.8	6.7	5.4	5.1	4.9
344	103	Fabricated Structural	2.5	2.6	3.2	3.4	3.8	3.7	3.8
345	70	Screws, Bolts, Etc	3.8	6.8	7.2	7.3	7.2	8.3	8.8
346	123	Metal Forgings	4.8	5.6	5.3	5.7	5.7	1.6	1.3
347	140	Coating, Engraving	0.0	0.0	0.0	0.0	0.0	0.0	0.0
348	2	Ordnance, nec	31.6	49.1	51.0	51.1	52.2	54.5	76.0
349	48	Misc Fabr Metals	8.4	10.5	12.4	12.2	12.7	13.6	14.4
351	3	Engines/Turbines	27.3	30.1	37.4	40.6	45.1	47.3	54.0
352	33	Farm/Garden Mach	18.6	17.5	19.1	20.3	20.2	18.2	20.0

Table 8.B: US Manufacturing, Gross Export Share										
Source: International Trade Administration and text equation (2), in percent										
Ranked by 3-digit SIC codes and 1995 values										
1995										
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995	
353	6	Construction Equip	31.3	36.4	51.9	51.6	42.3	41.1	40.8	
354	44	Metalworking Mach	12.8	14.1	14.4	16.4	16.3	17.0	15.2	
355	17	Spec Indus Mach	21.7	23.6	25.2	23.9	24.1	25.0	29.7	
356	16	Genl Indus Mach	22.0	26.9	29.7	29.4	28.6	29.8	30.1	
357	7	Computer/Office Eqp	39.2	44.1	49.3	42.9	38.8	37.6	37.9	
358	45	Refrigeration Mach	10.5	12.7	14.6	15.4	15.2	14.3	15.2	
359	59	Indus machinery, nec	7.7	8.4	9.8	9.5	10.6	9.9	10.9	
361	73	Electric Trans Equip	7.1	6.8	7.2	7.7	8.0	7.8	8.0	
362	34	Electrical Industl App	18.0	16.8	19.2	20.4	18.6	18.6	19.9	
363	52	Household App	8.6	10.5	12.5	12.9	12.8	12.0	12.3	
364	36	Lighting/Wiring Equip	10.3	12.7	14.9	15.3	16.2	17.2	19.0	
365	14	Audio/Video Eqp	15.6	23.7	26.8	27.9	31.0	31.0	30.7	
366	26	Communication Eqp	12.3	14.3	15.2	16.5	19.4	20.5	23.3	
367	9	Electronic Comp	25.6	32.2	31.8	29.7	31.2	34.1	35.8	
369	10	Misc Electrical	20.3	26.6	29.6	31.2	32.5	32.9	35.8	
371	50	Motor Vehicles Eqp	9.0	11.2	13.1	13.4	13.2	12.8	13.0	
372	4	Aircraft and Parts	48.0	53.1	57.3	57.3	56.8	60.6	48.9	
373	72	Boat Build/Repair	6.5	8.4	8.2	10.0	6.2	7.9	8.1	
374	65	Railroad Equipment	8.2	9.5	10.4	10.5	8.5	8.7	10.0	
375	28	Motorcycles, Bicycles	11.8	22.0	27.5	27.7	22.1	20.8	22.0	
376	132	Missiles/Space Veh	0.1	0.2	0.1	0.1	0.1	0.1	0.3	
379	13	Misc Transportation	20.9	19.8	25.1	27.5	19.6	32.1	32.3	
381	81	Navigation Equipment	6.1	6.0	6.4	6.3	6.6	7.1	6.9	
382	8	Measur Instruments	29.9	31.5	34.5	33.7	35.5	34.8	35.9	
384	22	Medical Instruments	19.8	20.9	22.8	21.6	21.5	24.1	26.7	
385	40	Ophthalmic Goods	10.9	13.8	15.9	14.2	14.0	15.3	16.2	
386	39	Photographic Eqp	12.9	16.1	17.4	16.5	15.5	14.9	17.7	
387	60	Watches, Clocks	9.9	8.3	8.1	10.0	10.1	10.5	10.7	
391	24	Jewelry, Silverware	18.4	23.9	24.6	22.3	21.3	23.0	25.8	
393	23	Musical Instruments	21.0	24.9	26.1	26.2	26.3	27.7	25.9	
394	47	Toys/Sporting Goods	8.6	9.8	11.2	11.8	11.6	13.7	14.7	
395	42	Pens, Pencils	10.4	13.4	15.7	16.2	15.4	15.0	16.1	
396	68	Costume, Jewelry	7.1	8.2	9.0	9.2	9.7	9.5	9.3	
399	83	Misc Manufacturing	5.1	5.5	6.9	7.7	6.9	6.8	6.6	
		Total	10.0	11.4	12.8	12.8	12.8	13.2	13.8	

Table 9.A: US Manufacturing, Gross Import Share									
Source: International Trade Administration and text equation (2), in percent									
Ranked by 3-digit SIC codes and 1995 values									
	1995								
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
20	18	Food	4.1	4.3	4.1	4.2	4.0	4.2	4.2
21	20	Tobacco	0.5	0.5	0.8	1.2	2.5	0.7	0.7
22	15	Textile mills	7.0	7.3	8.1	8.3	8.3	8.3	8.7
23	3	Apparel	29.7	30.5	31.0	33.0	34.2	35.4	36.9
24	13	Lumber	8.0	7.6	7.7	8.3	9.3	9.9	9.6
25	9	Furniture	11.3	11.4	11.8	11.9	12.5	13.8	14.1
26	14	Paper	8.8	8.7	8.1	7.8	8.1	8.2	9.6
27	19	Printing	1.2	1.2	1.2	1.2	1.3	1.4	1.6
28	10	Chemical	7.8	8.1	8.6	9.2	9.3	10.2	11.2
29	17	Petroleum	8.3	8.3	7.1	7.1	7.0	6.8	5.9
30	11	Rubber	9.7	9.7	10.0	10.1	10.4	10.4	10.8
31	1	Leather	52.2	55.7	57.4	57.4	58.6	62.4	65.1
32	12	Stone, glass	8.7	8.9	9.0	9.2	9.5	10.2	10.7
33	8	Metal, Prime	14.9	14.4	15.3	14.9	15.6	17.3	17.5
34	16	Metal Fabr	6.9	7.0	7.2	7.4	7.7	7.8	8.1
35	5	Machinery	21.8	22.5	24.5	25.5	27.0	28.7	30.2
36	4	Electronic	27.3	28.1	29.2	30.0	31.4	33.4	35.7
37	6	Transp Eq	22.2	23.0	23.6	22.8	23.3	24.1	24.3
38	7	Instruments	13.8	14.4	15.6	16.0	16.9	18.5	20.4
39	2	Misc	38.8	39.0	39.3	41.3	42.1	42.9	43.6
		Total	13.8	13.9	14.3	14.7	15.4	16.5	17.3

Table 9.B: US Manufacturing, Gross Import Share										
Source: International Trade Administration and text equation (2), in percent										
Ranked by 3-digit SIC codes and 1995 values										
1995										
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995	
201	69	Meat Products	3.4	3.6	3.6	3.3	3.2	3.2	2.8	
202	121	Dairy Products	1.6	1.6	1.4	1.5	1.5	1.6	1.9	
203	89	Canned Foods	5.5	6.0	4.9	5.6	4.8	5.0	5.1	
204	77	Grain Mill Products	1.2	1.2	1.3	1.4	1.4	1.7	1.6	
205	124	Bakery Products	1.4	1.3	1.4	1.5	1.6	1.7	1.8	
206	76	Sugar Products	8.7	10.4	9.5	9.5	8.8	8.8	9.3	
207	35	Fats and Oils	4.7	4.9	5.5	6.9	6.4	7.2	7.9	
208	109	Beverages	6.9	7.0	6.4	6.8	6.6	6.9	6.9	
209	94	Misc Food	5.6	5.1	5.7	5.5	5.2	5.8	5.9	
211	31	Cigarettes	0.3	0.3	0.6	1.0	2.5	0.4	0.3	
212	119	Cigars	18.1	18.0	12.9	13.9	15.3	18.4	19.7	
213	32	Other Tobacco	1.5	1.5	3.3	3.5	4.1	1.7	1.5	
214	107	Tobacco Processing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
221	57	Fabric Mills, Cotton	17.3	18.9	20.0	22.2	22.5	21.6	21.9	
222	58	Fabric Mills, Other	13.7	14.0	16.1	16.3	16.3	16.0	15.4	
223	87	Fabric Mills, Wool	10.4	12.0	12.4	13.7	12.7	12.1	13.1	
224	19	Narrow Fabric Mills	12.7	13.7	15.2	15.4	17.6	18.7	20.4	
225	100	Knitting Mills	1.9	2.4	3.3	2.5	3.0	3.4	3.7	
226	138	Textile Finishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
227	86	Carpets and rugs	5.8	5.9	6.6	7.2	6.5	7.0	7.7	
228	110	Yarn/Thread Mills	3.1	2.5	2.8	3.2	3.3	3.6	3.6	
229	41	Misc Textile Goods	11.4	12.5	12.9	13.2	13.3	12.9	13.3	
231	66	Men's & Boys' Outer	20.9	20.8	22.8	26.3	27.1	31.7	36.7	
232	71	Men's/Boys' Furnish	32.6	34.4	34.0	36.6	39.7	42.0	45.2	
233	114	Women's Outerware	25.2	25.4	25.0	25.9	26.2	26.8	28.0	
234	61	Women's Underware	23.1	25.5	27.7	30.3	34.0	35.8	38.5	
235	98	Hats, Caps, Millinery	28.5	33.8	35.0	38.5	40.3	42.3	41.6	
236	56	Girls' Outerware	64.6	65.5	68.0	76.2	76.7	75.0	78.9	
237	5	Fur Goods	54.2	44.6	48.1	52.5	65.5	72.9	86.6	
238	67	Misc Apparel	51.2	53.1	52.1	54.7	55.1	55.0	53.6	
239	91	Fabricated Textiles	10.6	11.7	12.8	12.5	14.0	14.4	14.4	
241	29	Logging	0.9	2.2	2.2	1.9	2.0	2.0	2.1	
242	75	Saw/Planing Mills	14.3	14.0	14.3	15.2	17.7	18.7	17.9	
243	105	Millwork, Plywood	4.6	4.8	4.6	5.0	5.4	5.5	5.6	
244	120	Wood Containers	1.5	1.4	1.5	1.7	1.5	1.5	1.8	
245	127	Wood Buildings	0.3	0.2	0.2	0.2	0.1	0.2	0.2	
249	96	Misc Wood Products	15.5	12.2	12.0	13.3	13.7	15.0	16.4	
251	131	Household Furniture	0.9	1.6	1.9	2.2	2.2	2.4	2.7	
252	135	Office Furniture	0.1	0.1	0.2	0.2	0.1	0.1	0.1	
253	139	Public Building Furni	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
254	118	Store Fixtures	1.3	1.6	1.6	1.8	1.9	2.3	2.4	
259	18	Misc Furniture	59.7	61.9	67.7	72.6	74.9	77.7	75.2	
261	1	Pulp Mills	52.5	49.4	47.3	48.8	51.2	55.5	63.4	
262	49	Paper Mills	18.5	18.8	19.2	19.1	20.6	19.7	20.9	
263	137	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
265	112	Paperboard Boxes	0.5	0.6	0.6	0.7	0.8	1.0	1.1	
267	90	Convert Products	3.1	3.0	2.9	3.1	3.3	3.7	4.3	
271	136	Newspapers	0.3	0.2	0.1	0.2	0.1	0.0	0.0	
272	106	Periodicals	0.7	0.6	0.6	0.6	0.9	1.0	1.0	
273	78	Books	4.4	4.5	4.3	4.6	4.3	4.3	4.7	
274	129	Misc Publishing	0.9	0.7	0.5	0.4	0.4	0.4	0.5	
275	116	Commercial Printing	0.9	0.9	1.0	1.0	1.1	1.2	1.4	
276	134	Business Forms	0.0	0.0	0.0	0.0	0.0	0.0	0.2	

Table 9.B: US Manufacturing, Gross Import Share										
Source: International Trade Administration and text equation (2), in percent										
Ranked by 3-digit SIC codes and 1995 values										
1995										
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995	
277	108	Greeting Cards	0.8	1.1	1.2	1.3	1.4	2.3	2.3	
278	115	Blankbooks binding	5.3	5.0	5.1	5.1	5.5	5.5	6.5	
279	122	Printing Trade	0.7	0.7	0.2	0.1	0.1	0.1	0.1	
281	21	Inorganic Chemicals	19.7	18.2	18.5	17.9	17.9	21.6	23.9	
282	25	Plastic & Synthetics	5.9	7.1	7.7	8.3	9.5	10.5	11.0	
283	64	Drugs	7.3	7.3	8.2	9.0	9.0	9.2	10.5	
284	74	Soap, Cleaners, etc	2.7	2.8	3.0	3.6	3.6	4.1	4.4	
285	88	Paints and Allied	0.8	1.0	1.0	1.3	1.3	1.6	2.0	
286	27	Organic Chemicals	9.7	10.5	11.1	12.2	12.5	13.7	14.9	
287	20	Ag Chemicals	12.0	10.9	10.9	11.4	12.0	12.2	13.3	
289	46	Misc Chemicals	4.3	4.8	5.7	6.4	6.4	6.5	7.2	
291	101	Petroleum Refining	8.9	8.8	7.6	7.7	7.6	7.3	6.3	
295	125	Paving/Roofing Mat	0.9	1.1	1.2	1.1	1.2	1.5	1.4	
299	63	Misc Petroleum	1.7	1.5	1.3	1.3	1.0	1.8	1.4	
301	51	Tires/Inner Tubes	19.8	19.3	17.7	19.2	19.4	20.5	20.3	
302	99	Footwear, rub/ plastic	78.6	79.7	79.6	78.8	82.6	78.8	81.2	
305	38	Rubber belting ETC	15.6	16.7	18.1	18.2	18.9	20.0	20.7	
306	80	Rubber Products, nec	7.5	7.3	8.4	9.5	10.2	11.6	12.3	
308	85	Misc Plastics	5.2	5.2	5.4	5.4	5.4	5.5	5.9	
311	30	Leather Tanning	29.0	29.8	28.2	22.8	23.8	27.2	28.4	
313	11	Footware cut stock	52.9	52.1	55.8	67.4	73.7	74.4	80.4	
314	104	Footwear, Exc Rub	59.9	64.3	66.5	66.7	67.8	70.0	71.9	
315	102	Leather Gloves	56.4	58.4	57.4	60.9	58.5	66.6	74.6	
316	79	Luggage	48.7	50.3	52.5	61.7	64.6	67.8	75.5	
317	93	Personal Leather	57.0	57.6	59.5	60.7	64.5	69.9	73.7	
319	37	Leather Goods, nec	21.5	21.2	20.5	24.2	22.8	36.2	43.6	
321	15	Flat Glass	12.4	13.4	15.0	15.0	16.8	17.5	17.4	
322	62	Glassware, Pressed	11.4	11.8	12.4	13.3	13.7	15.6	17.4	
323	82	Purchased Glass	6.3	6.2	5.7	5.5	5.5	6.7	7.5	
324	126	Cement, Hydraulic	10.7	9.6	8.2	5.9	6.4	8.5	9.3	
325	97	Structural Clay	14.2	13.8	13.7	15.0	16.5	15.7	16.8	
326	53	Pottery and Related	40.1	39.8	41.1	42.6	42.3	41.9	43.2	
327	130	Concrete, Gypsum	0.5	0.5	0.4	0.5	0.5	0.8	1.1	
328	117	Cut Stone Products	34.6	37.8	34.2	29.3	28.7	30.2	31.9	
329	55	Nonmetallic Mineral	8.5	9.3	9.4	9.7	10.8	11.5	11.8	
331	84	Blast Furnace	14.9	14.4	15.1	14.7	14.7	17.8	17.2	
332	113	Iron/Steel Foundries	2.2	1.9	1.9	1.7	1.7	2.1	2.7	
333	12	Primary Nonfer Met	41.4	40.2	48.3	47.1	72.7	56.1	51.5	
334	133	Second Nonfer Met	15.2	14.0	11.0	11.7	10.9	9.7	10.5	
335	43	Nonferrous Rolling	9.1	10.4	9.7	10.2	10.7	11.6	12.9	
336	128	Nonfer Foundries	0.4	0.5	0.6	0.6	0.5	0.5	0.7	
339	95	Misc Primary Metal	5.9	4.9	5.5	5.2	5.8	4.7	4.6	
341	111	Metal Containers	1.4	1.2	1.1	1.4	1.5	1.6	1.7	
342	54	Cutlery, Hand Tools	14.8	15.6	15.8	16.6	17.1	17.7	18.6	
343	92	Plumbing & Heating	6.2	6.3	5.7	6.5	6.8	7.1	7.2	
344	103	Fabricated Structural	1.5	1.4	1.5	1.3	1.4	1.6	1.9	
345	70	Screws, Bolts, Etc	12.7	12.9	12.5	13.0	13.8	15.0	15.6	
346	123	Metal Forgings	3.2	3.8	3.9	3.8	3.5	2.0	1.9	
347	140	Coating, Engraving	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
348	2	Ordnance, nec	8.2	9.4	10.5	11.3	14.9	18.6	18.4	
349	48	Misc Fabr Metals	16.6	16.2	16.6	17.1	17.4	18.5	18.8	
351	3	Engines/Turbines	16.2	16.5	16.8	16.6	18.3	18.6	21.5	
352	33	Farm/Garden Mach	16.3	16.3	14.1	15.3	14.4	16.1	16.4	

Table 9.B: US Manufacturing, Gross Import Share										
Source: International Trade Administration and text equation (2), in percent										
Ranked by 3-digit SIC codes and 1995 values										
1995										
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995	
353	6	Construction Equip	20.2	19.7	18.8	20.7	21.4	23.5	23.2	
354	44	Metalworking Mach	19.9	18.8	20.6	18.6	20.3	23.1	24.4	
355	17	Spec Indus Mach	25.8	26.5	25.6	26.2	26.8	27.5	28.2	
356	16	Genl Indus Mach	22.4	23.0	23.2	24.4	24.5	27.6	29.0	
357	7	Computer/Office Equip	35.8	39.1	46.9	47.0	50.2	52.0	53.9	
358	45	Refrigeration Mach	8.1	7.8	7.6	7.6	7.4	7.8	7.9	
359	59	Indus machinery, nec	6.2	5.9	6.5	6.2	6.7	6.7	7.2	
361	73	Electric Trans Equip	5.3	6.1	7.5	8.3	9.4	9.0	9.9	
362	34	Electrical Indusl App	16.9	17.4	18.8	20.0	19.8	22.6	23.7	
363	52	Household App	18.0	18.0	19.4	21.3	20.6	20.1	21.9	
364	36	Lighting/Wiring Equip	17.2	18.6	20.3	21.2	23.3	24.3	25.3	
365	14	Audio/Video Equip	67.2	69.8	71.3	74.3	75.6	77.5	75.5	
366	26	Communication Equip	22.3	21.2	22.7	21.8	23.2	24.3	24.1	
367	9	Electronic Comp	31.1	33.5	33.1	32.3	35.0	37.7	42.0	
369	10	Misc Electrical	25.7	29.7	29.7	33.3	35.3	38.3	40.5	
371	50	Motor Vehicles Equip	27.3	29.0	29.7	27.7	27.6	27.2	27.6	
372	4	Aircraft and Parts	15.3	16.0	17.0	17.3	17.4	19.5	17.2	
373	72	Boat Build/Repair	3.7	2.0	1.6	1.9	6.2	5.1	5.2	
374	65	Railroad Equipment	14.4	12.5	11.8	12.7	10.8	13.9	14.2	
375	28	Motorcycles, Bicycles	55.0	55.1	53.2	58.2	49.7	49.1	53.1	
376	132	Missiles/Space Veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
379	13	Misc Transportation	6.2	4.9	5.2	3.6	4.0	5.2	5.5	
381	81	Navigation Equipment	2.3	2.2	2.5	2.7	2.5	2.6	3.1	
382	8	Measur Instruments	17.0	16.7	17.8	18.3	20.0	21.8	23.3	
384	22	Medical Instruments	12.0	12.7	13.6	12.7	12.7	13.0	14.5	
385	40	Ophthalmic Goods	34.2	35.5	35.2	33.8	31.6	33.5	35.5	
386	39	Photographic Equip	22.9	24.3	25.8	26.9	28.3	29.7	34.2	
387	60	Watches, Clocks	41.4	60.1	66.4	80.5	81.7	83.3	85.4	
391	24	Jewelry, Silverware	68.3	70.3	73.3	71.3	74.7	77.4	79.7	
393	23	Musical Instruments	54.1	52.2	51.6	51.9	52.5	54.4	56.2	
394	47	Toys/Sporting Goods	44.5	46.5	45.4	49.7	48.8	49.9	50.4	
395	42	Pens, Pencils	18.2	19.9	21.1	22.1	23.5	23.6	24.8	
396	68	Costume, Jewelry	28.2	27.6	29.4	31.2	31.0	30.8	29.2	
399	83	Misc Manufacturing	14.0	13.8	14.5	16.1	16.1	16.7	17.6	
		Total	13.8	13.9	14.3	14.7	15.4	16.5	17.3	

Table 10.A: US Manufacturing, Net Export Share									
Source: International Trade Administration and text equation (2), in percent									
Ranked by 3-digit SIC codes and 1995 values									
1995									
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
20	4	Food	0.2	0.0	0.5	0.8	1.0	1.3	1.7
21	1	Tobacco	15.9	19.7	15.8	13.4	14.8	21.2	18.2
22	9	Textile mills	-2.8	-1.8	-1.8	-1.9	-1.9	-1.7	-1.5
23	19	Apparel	-26.8	-27.2	-26.6	-28.2	-28.9	-29.6	-30.3
24	11	Lumber	0.2	1.5	1.9	0.1	-1.6	-3.0	-2.7
25	17	Furniture	-8.9	-7.8	-6.7	-6.3	-6.7	-8.0	-8.8
26	7	Paper	-2.7	-2.2	-0.9	-0.3	-1.0	-0.5	-0.9
27	5	Printing	0.6	0.9	1.2	1.2	1.2	1.0	0.9
28	2	Chemical	6.1	6.1	6.8	5.7	5.2	5.5	6.0
29	10	Petroleum	-5.0	-4.5	-2.7	-2.9	-2.8	-3.0	-1.9
30	12	Rubber	-4.8	-3.6	-3.1	-3.3	-3.5	-3.1	-3.2
31	20	Leather	-45.9	-48.3	-49.3	-49.1	-50.4	-54.4	-57.0
32	13	Stone, glass	-4.8	-4.0	-3.4	-3.4	-3.6	-4.3	-4.6
33	14	Metal, Prime	-7.8	-6.1	-4.5	-4.9	-2.7	-7.7	-6.7
34	6	Metal Fabr	-1.4	-0.2	0.4	0.5	0.3	-0.6	-0.5
35	8	Machinery	2.0	4.3	6.2	4.4	1.4	-0.6	-1.1
36	16	Electronic	-10.1	-7.2	-6.7	-7.3	-7.3	-7.9	-7.9
37	15	Transp Eq	-7.6	-5.1	-2.8	-2.0	-4.3	-5.7	-7.1
38	3	Instruments	2.4	3.1	3.6	3.0	2.6	2.3	2.4
39	18	Misc	-28.6	-26.9	-26.1	-28.1	-29.4	-29.2	-29.0
		Total	-3.8	-2.6	-1.5	-1.9	-2.6	-3.4	-3.4

Table 10.B: US Manufacturing, Net Export Share									
Source: International Trade Administration and text equation (2), in percent									
Ranked by 3-digit SIC codes and 1995 values									
SIC	1995 Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
201	21	Meat Products	2.3	2.2	2.4	3.1	2.9	4.2	6.1
202	62	Dairy Products	-0.5	-0.7	-0.3	0.1	0.3	0.0	-0.3
203	45	Canned Foods	-2.2	-1.9	-0.6	-0.7	0.0	0.2	0.5
204	22	Grain Mill Products	6.2	5.8	6.0	6.0	6.1	6.0	5.8
205	70	Bakery Products	-0.9	-0.6	-0.6	-0.4	-0.4	-0.5	-0.7
206	74	Sugar Products	-3.5	-4.1	-3.1	-3.0	-1.7	-1.1	-1.8
207	15	Fats and Oils	9.9	7.7	8.8	9.9	8.0	8.1	11.8
208	82	Beverages	-5.1	-5.1	-4.2	-4.4	-4.0	-3.9	-3.8
209	72	Misc Food	-3.0	-2.3	-2.0	-1.3	-0.6	-0.4	-1.1
211	5	Cigarettes	18.0	22.6	17.9	15.2	17.3	24.8	20.8
212	113	Cigars	-15.2	-15.5	-10.9	-11.2	-13.5	-16.4	-18.0
213	7	Other Tobacco	18.6	16.0	15.9	13.8	14.6	19.9	19.4
214	29	Tobacco Processing	1.4	1.9	2.4	1.8	1.7	2.3	3.3
221	105	Fabric Mills, Cotton	-11.2	-10.2	-11.4	-13.4	-13.2	-11.1	-10.7
222	86	Fabric Mills, Other	-6.3	-5.5	-7.0	-6.5	-6.0	-5.5	-4.5
223	94	Fabric Mills, Wool	-8.5	-9.3	-9.1	-7.8	-7.9	-7.6	-7.1
224	17	Narrow Fabric Mills	2.7	4.9	5.7	5.0	5.1	6.0	8.3
225	50	Knitting Mills	-0.5	-0.1	-0.5	0.6	0.3	-0.1	0.2
226	55	Textile Finishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
227	73	Carpets and rugs	-2.0	-0.2	1.6	0.3	0.6	-0.5	-1.6
228	65	Yarn/Thread Mills	-1.3	-0.1	-0.2	-1.0	-1.4	-1.1	-0.5
229	31	Misc Textile Goods	-0.8	1.2	2.7	2.7	2.1	2.8	2.8
231	119	Men's & Boys' Outer	-18.5	-16.5	-17.2	-19.6	-19.1	-21.7	-26.9
232	126	Men's/Boys' Furnish	-29.2	-29.9	-28.5	-30.2	-32.1	-33.8	-36.6
233	118	Women's Outerware	-24.2	-24.2	-23.5	-24.0	-24.1	-24.7	-25.5
234	120	Women's Underware	-16.7	-19.0	-19.7	-22.1	-24.9	-26.6	-27.9
235	127	Hats, Caps, Millinery	-26.2	-30.7	-31.2	-34.7	-35.9	-38.0	-37.5
236	134	Girls' Outerware	-61.7	-61.9	-63.2	-70.2	-70.0	-67.1	-67.5
237	128	Fur Goods	-41.7	-33.2	-28.4	-24.0	-42.8	-47.6	-41.9
238	129	Misc Apparel	-47.1	-48.6	-45.4	-48.5	-48.1	-47.2	-43.8
239	101	Fabricated Textiles	-7.7	-8.3	-8.4	-8.2	-9.5	-9.6	-9.4
241	6	Logging	29.8	28.6	28.3	22.5	21.5	19.1	19.5
242	103	Saw/Planing Mills	-4.5	-3.3	-2.8	-5.3	-9.1	-11.2	-10.1
243	76	Millwork, Plywood	-1.7	-1.0	-0.5	-0.9	-1.6	-2.0	-2.0
244	61	Wood Containers	0.0	0.5	0.7	0.4	0.5	0.3	-0.2
245	44	Wood Buildings	0.4	0.7	3.4	1.0	0.6	0.7	0.6
249	108	Misc Wood Products	-12.0	-7.7	-7.2	-8.7	-9.4	-10.7	-12.0
251	77	Household Furniture	-0.6	-1.3	-1.5	-1.8	-1.8	-2.0	-2.2
252	60	Office Furniture	0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0
253	56	Public Building Furni	0.0	0.0	0.0	0.0	0.0	0.0	0.0
254	66	Store Fixtures	-0.2	-0.2	0.1	0.2	0.2	0.4	-0.6
259	132	Misc Furniture	-48.4	-42.1	-38.0	-37.5	-39.4	-44.8	-46.1
261	9	Pulp Mills	10.5	8.0	17.7	26.8	17.3	17.3	17.3
262	96	Paper Mills	-10.8	-9.9	-7.8	-6.9	-8.6	-6.8	-7.7
263	57	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0
265	36	Paperboard Boxes	0.9	1.1	1.4	1.4	1.6	1.6	1.7
267	43	Convert Products	-0.5	0.3	1.0	1.0	1.0	1.2	0.7
271	53	Newspapers	-0.2	-0.1	0.0	-0.1	-0.1	0.1	0.1
272	33	Periodicals	1.6	2.7	3.0	2.8	2.5	2.7	2.6
273	34	Books	2.1	3.1	3.3	3.6	3.4	3.2	2.6
274	49	Misc Publishing	-0.4	-0.2	0.1	0.3	0.3	0.2	0.3
275	42	Commercial Printing	1.1	1.0	1.4	1.2	1.3	0.9	0.8
276	54	Business Forms	0.0	0.1	0.2	0.1	0.1	0.2	0.0

Table 10.B: US Manufacturing, Net Export Share									
Source: International Trade Administration and text equation (2), in percent									
Ranked by 3-digit SIC codes and 1995 values									
	1995								
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
277	41	Greeting Cards	0.1	0.2	0.1	0.1	0.0	-0.4	0.9
278	84	Blankbooks binding	-4.5	-3.5	-3.2	-3.1	-3.4	-3.5	-4.2
279	38	Printing Trade	0.3	0.5	1.0	1.1	1.1	1.2	1.5
281	25	Inorganic Chemicals	2.4	2.1	3.3	4.6	3.8	3.4	3.7
282	11	Plastic & Synthetics	11.5	13.5	17.8	14.2	12.2	12.0	13.7
283	64	Drugs	1.8	2.6	1.6	1.3	1.5	1.1	-0.4
284	28	Soap, Cleaners, etc	1.6	1.8	2.6	2.7	2.9	3.6	3.4
285	23	Paints and Allied	2.4	3.2	4.0	4.0	4.0	4.1	3.9
286	19	Organic Chemicals	6.8	5.6	5.9	4.6	5.0	5.5	7.6
287	10	Ag Chemicals	19.7	16.8	19.3	13.6	9.0	13.3	14.7
289	18	Misc Chemicals	8.3	8.6	9.2	7.6	7.8	7.5	7.7
291	79	Petroleum Refining	-5.7	-5.2	-3.2	-3.5	-3.3	-3.6	-2.5
295	63	Paving/Roofing Mat	-0.4	-0.2	-0.2	0.0	-0.1	-0.2	-0.3
299	16	Misc Petroleum	11.0	11.8	9.6	8.1	6.2	5.9	8.8
301	97	Tires/Inner Tubes	-13.4	-10.5	-7.7	-8.2	-8.8	-9.3	-7.8
302	140	Footwear, rub/ plastic	-75.9	-75.3	-74.7	-74.6	-78.8	-74.8	-77.2
305	80	Rubber belting ETC	-3.8	-2.4	-0.6	-2.2	-2.1	-3.0	-2.7
306	88	Rubber Products, nec	-2.9	-0.9	-1.5	-3.2	-4.1	-4.6	-5.4
308	46	Misc Plastics	-1.1	-0.2	0.2	0.2	0.4	0.7	0.4
311	95	Leather Tanning	-4.4	3.3	5.8	3.1	1.4	-4.7	-7.3
313	130	Footwear cut stock	-30.7	-31.8	-34.7	-41.8	-47.3	-49.2	-44.6
314	135	Footwear, Exc Rub	-57.6	-61.4	-62.8	-62.8	-64.3	-66.2	-68.2
315	138	Leather Gloves	-52.6	-53.9	-52.7	-56.8	-54.2	-62.8	-70.8
316	136	Luggage	-45.4	-45.9	-47.0	-54.7	-57.8	-60.7	-68.2
317	137	Personal Leather	-54.8	-55.1	-56.7	-57.4	-60.6	-65.7	-68.9
319	117	Leather Goods, nec	-13.9	-14.8	-11.1	-12.7	-11.8	-19.3	-25.5
321	12	Flat Glass	1.4	8.5	11.5	12.1	12.1	9.1	13.0
322	92	Glassware, Pressed	-5.0	-3.9	-3.6	-4.4	-5.1	-6.5	-6.8
323	69	Purchased Glass	-2.1	-0.3	0.4	0.7	1.0	0.1	-0.7
324	98	Cement, Hydraulic	-10.2	-8.7	-7.1	-4.7	-5.3	-7.6	-8.3
325	109	Structural Clay	-10.9	-10.0	-9.4	-11.2	-12.3	-12.2	-12.5
326	123	Pottery and Related	-32.5	-30.9	-31.2	-32.7	-31.0	-30.5	-30.9
327	68	Concrete, Gypsum	-0.1	0.0	0.2	0.2	0.0	-0.3	-0.7
328	121	Cut Stone Products	-32.8	-35.2	-31.1	-26.7	-26.2	-27.7	-29.8
329	47	Nonmetallic Mineral	-0.8	0.2	1.4	1.7	0.4	0.3	0.3
331	106	Blast Furnace	-10.5	-9.8	-8.5	-9.4	-10.1	-13.5	-10.9
332	59	Iron/Steel Foundries	0.5	0.6	0.8	1.4	0.7	0.1	0.0
333	114	Primary Nonfer Met	-19.8	-10.9	-11.1	-9.7	24.2	-16.6	-18.9
334	104	Second Nonfer Met	-15.0	-13.8	-10.8	-11.5	-10.7	-9.4	-10.3
335	32	Nonferrous Rolling	-0.3	0.3	3.5	3.4	3.1	2.8	2.7
336	51	Nonfer Foundries	0.8	0.2	0.4	-0.1	0.1	0.1	0.1
339	52	Misc Primary Metal	-1.8	-0.5	-0.9	-0.9	-1.1	-0.7	0.1
341	39	Metal Containers	-0.4	0.2	0.8	1.3	1.3	1.1	1.4
342	90	Cutlery, Hand Tools	-7.0	-5.7	-4.8	-4.9	-5.1	-5.5	-6.3
343	78	Plumbing & Heating	-2.2	-1.9	0.1	0.2	-1.5	-1.9	-2.3
344	35	Fabricated Structural	1.0	1.2	1.7	2.1	2.4	2.1	2.0
345	93	Screws, Bolts, Etc	-8.9	-6.1	-5.3	-5.7	-6.5	-6.7	-6.8
346	67	Metal Forgings	1.6	1.9	1.4	1.9	2.2	-0.3	-0.6
347	58	Coating, Engraving	0.0	0.0	0.0	0.0	0.0	0.0	0.0
348	1	Ordnance, nec	23.5	39.7	40.4	39.8	37.3	35.9	57.6
349	85	Misc Fabr Metals	-8.2	-5.7	-4.2	-4.9	-4.6	-4.9	-4.4
351	2	Engines/Turbines	11.1	13.7	20.6	24.0	26.7	28.7	32.5
352	26	Farm/Garden Mach	2.3	1.1	5.0	5.0	5.8	2.1	3.7

Table 10.B: US Manufacturing, Net Export Share									
Source: International Trade Administration and text equation (2), in percent									
Ranked by 3-digit SIC codes and 1995 values									
	1995								
SIC	Rank	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
353	8	Construction Equip	11.1	16.7	33.0	30.9	20.9	17.5	17.6
354	100	Metalworking Mach	-7.1	-4.7	-6.2	-2.2	-4.0	-6.2	-9.2
355	37	Spec Indus Mach	-4.1	-2.9	-0.5	-2.3	-2.7	-2.5	1.5
356	40	Genl Indus Mach	-0.3	3.9	6.4	5.0	4.1	2.2	1.1
357	111	Computer/Office Eqp	3.4	5.0	2.3	-4.2	-11.4	-14.5	-16.0
358	20	Refrigeration Mach	2.3	4.9	7.1	7.8	7.8	6.6	7.3
359	27	Indus machinery, nec	1.5	2.5	3.3	3.3	3.9	3.3	3.7
361	75	Electric Trans Equip	1.8	0.7	-0.3	-0.6	-1.4	-1.2	-1.9
362	81	Electrical Indusl App	1.1	-0.6	0.4	0.3	-1.2	-4.0	-3.8
363	102	Household App	-9.4	-7.5	-6.9	-8.4	-7.8	-8.2	-9.5
364	91	Lighting/Wiring Equip	-6.9	-5.9	-5.5	-5.9	-7.2	-7.1	-6.4
365	131	Audio/Video Eqp	-51.6	-46.1	-44.5	-46.4	-44.7	-46.5	-44.8
366	71	Communication Eqp	-9.9	-6.9	-7.5	-5.3	-3.8	-3.8	-0.8
367	89	Electronic Comp	-5.5	-1.3	-1.3	-2.6	-3.7	-3.5	-6.1
369	87	Misc Electrical	-5.4	-3.1	-0.1	-2.1	-2.8	-5.3	-4.7
371	110	Motor Vehicles Eqp	-18.4	-17.8	-16.6	-14.3	-14.3	-14.3	-14.7
372	3	Aircraft and Parts	32.8	37.2	40.3	40.0	39.4	41.0	31.7
373	30	Boat Build/Repair	2.8	6.4	6.6	8.1	0.1	2.9	2.9
374	83	Railroad Equipment	-6.2	-3.1	-1.4	-2.2	-2.3	-5.2	-4.2
375	124	Motorcycles, Bicycles	-43.2	-33.1	-25.7	-30.5	-27.6	-28.3	-31.0
376	48	Missiles/Space Veh	0.1	0.2	0.1	0.1	0.1	0.1	0.3
379	4	Misc Transportation	14.8	14.9	19.9	23.9	15.6	26.9	26.8
381	24	Navigation Equipment	3.8	3.8	3.9	3.6	4.1	4.5	3.8
382	13	Measur Instruments	12.9	14.8	16.7	15.3	15.5	13.0	12.7
384	14	Medical Instruments	7.9	8.1	9.2	8.9	8.8	11.1	12.3
385	115	Ophthalmic Goods	-23.3	-21.7	-19.4	-19.6	-17.7	-18.2	-19.3
386	112	Photographic Eqp	-10.1	-8.2	-8.4	-10.4	-12.9	-14.7	-16.5
387	139	Watches, Clocks	-31.5	-51.8	-58.3	-70.5	-71.6	-72.8	-74.7
391	133	Jewelry, Silverware	-49.9	-46.4	-48.7	-49.0	-53.4	-54.4	-53.9
393	122	Musical Instruments	-33.0	-27.3	-25.5	-25.7	-26.2	-26.8	-30.3
394	125	Toys/Sporting Goods	-35.9	-36.7	-34.3	-38.0	-37.2	-36.3	-35.6
395	99	Pens, Pencils	-7.8	-6.5	-5.4	-6.0	-8.1	-8.5	-8.8
396	116	Costume, Jewelry	-21.1	-19.4	-20.4	-21.9	-21.3	-21.3	-19.8
399	107	Misc Manufacturing	-9.0	-8.2	-7.6	-8.5	-9.2	-9.9	-11.0
		Total	-3.8	-2.6	-1.5	-1.9	-2.6	-3.4	-3.4

Table 10.C: US Manufacturing, Net Export Share									
Source: International Trade Administration and text equation (2), in percent									
Ranked by 3-digit SIC codes and 1995 values									
1995									
Rank	SIC	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
1	348	Ordnance, nec	23.5	39.7	40.4	39.8	37.3	35.9	57.6
2	351	Engines/Turbines	11.1	13.7	20.6	24.0	26.7	28.7	32.5
3	372	Aircraft and Parts	32.8	37.2	40.3	40.0	39.4	41.0	31.7
4	379	Misc Transportation	14.8	14.9	19.9	23.9	15.6	26.9	26.8
5	211	Cigarettes	18.0	22.6	17.9	15.2	17.3	24.8	20.8
6	241	Logging	29.8	28.6	28.3	22.5	21.5	19.1	19.5
7	213	Other Tobacco	18.6	16.0	15.9	13.8	14.6	19.9	19.4
8	353	Construction Equip	11.1	16.7	33.0	30.9	20.9	17.5	17.6
9	261	Pulp Mills	10.5	8.0	17.7	26.8	17.3	17.3	17.3
10	287	Ag Chemicals	19.7	16.8	19.3	13.6	9.0	13.3	14.7
11	282	Plastic & Synthetics	11.5	13.5	17.8	14.2	12.2	12.0	13.7
12	321	Flat Glass	1.4	8.5	11.5	12.1	12.1	9.1	13.0
13	382	Measur Instruments	12.9	14.8	16.7	15.3	15.5	13.0	12.7
14	384	Medical Instruments	7.9	8.1	9.2	8.9	8.8	11.1	12.3
15	207	Fats and Oils	9.9	7.7	8.8	9.9	8.0	8.1	11.8
16	299	Misc Petroleum	11.0	11.8	9.6	8.1	6.2	5.9	8.8
17	224	Narrow Fabric Mills	2.7	4.9	5.7	5.0	5.1	6.0	8.3
18	289	Misc Chemicals	8.3	8.6	9.2	7.6	7.8	7.5	7.7
19	286	Organic Chemicals	6.8	5.6	5.9	4.6	5.0	5.5	7.6
20	358	Refrigeration Mach	2.3	4.9	7.1	7.8	7.8	6.6	7.3
21	201	Meat Products	2.3	2.2	2.4	3.1	2.9	4.2	6.1
22	204	Grain Mill Products	6.2	5.8	6.0	6.0	6.1	6.0	5.8
23	285	Paints and Allied	2.4	3.2	4.0	4.0	4.0	4.1	3.9
24	381	Navigation Equipment	3.8	3.8	3.9	3.6	4.1	4.5	3.8
25	281	Inorganic Chemicals	2.4	2.1	3.3	4.6	3.8	3.4	3.7
26	352	Farm/Garden Mach	2.3	1.1	5.0	5.0	5.8	2.1	3.7
27	359	Indus machinery, nec	1.5	2.5	3.3	3.3	3.9	3.3	3.7
28	284	Soap, Cleaners, etc	1.6	1.8	2.6	2.7	2.9	3.6	3.4
29	214	Tobacco Processing	1.4	1.9	2.4	1.8	1.7	2.3	3.3
30	373	Boat Build/Repair	2.8	6.4	6.6	8.1	0.1	2.9	2.9
31	229	Misc Textile Goods	-0.8	1.2	2.7	2.7	2.1	2.8	2.8
32	335	Nonferrous Rolling	-0.3	0.3	3.5	3.4	3.1	2.8	2.7
33	272	Periodicals	1.6	2.7	3.0	2.8	2.5	2.7	2.6
34	273	Books	2.1	3.1	3.3	3.6	3.4	3.2	2.6
35	344	Fabricated Structural	1.0	1.2	1.7	2.1	2.4	2.1	2.0
36	265	Paperboard Boxes	0.9	1.1	1.4	1.4	1.6	1.6	1.7
37	355	Spec Indus Mach	-4.1	-2.9	-0.5	-2.3	-2.7	-2.5	1.5
38	279	Printing Trade	0.3	0.5	1.0	1.1	1.1	1.2	1.5
39	341	Metal Containers	-0.4	0.2	0.8	1.3	1.3	1.1	1.4
40	356	Genl Indus Mach	-0.3	3.9	6.4	5.0	4.1	2.2	1.1
41	277	Greeting Cards	0.1	0.2	0.1	0.1	0.0	-0.4	0.9
42	275	Commercial Printing	1.1	1.0	1.4	1.2	1.3	0.9	0.8
43	267	Convert Products	-0.5	0.3	1.0	1.0	1.0	1.2	0.7
44	245	Wood Buildings	0.4	0.7	3.4	1.0	0.6	0.7	0.6
45	203	Canned Foods	-2.2	-1.9	-0.6	-0.7	0.0	0.2	0.5
46	308	Misc Plastics	-1.1	-0.2	0.2	0.2	0.4	0.7	0.4
47	329	Nonmetallic Mineral	-0.8	0.2	1.4	1.7	0.4	0.3	0.3
48	376	Missiles/Space Veh	0.1	0.2	0.1	0.1	0.1	0.1	0.3
49	274	Misc Publishing	-0.4	-0.2	0.1	0.3	0.3	0.2	0.3
50	225	Knitting Mills	-0.5	-0.1	-0.5	0.6	0.3	-0.1	0.2
51	336	Nonfer Foundries	0.8	0.2	0.4	-0.1	0.1	0.1	0.1
52	339	Misc Primary Metal	-1.8	-0.5	-0.9	-0.9	-1.1	-0.7	0.1
53	271	Newspapers	-0.2	-0.1	0.0	-0.1	-0.1	0.1	0.1

Table 10.C: US Manufacturing, Net Export Share									
Source: International Trade Administration and text equation (2), in percent									
Ranked by 3-digit SIC codes and 1995 values									
1995									
Rank	SIC	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
54	276	Business Forms	0.0	0.1	0.2	0.1	0.1	0.2	0.0
55	226	Textile Finishing	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	253	Public Building Furni	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	263	Paperboard Mills	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	347	Coating, Engraving	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	332	Iron/Steel Foundries	0.5	0.6	0.8	1.4	0.7	0.1	0.0
60	252	Office Furniture	0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0
61	244	Wood Containers	0.0	0.5	0.7	0.4	0.5	0.3	-0.2
62	202	Dairy Products	-0.5	-0.7	-0.3	0.1	0.3	0.0	-0.3
63	295	Paving/Roofing Mat	-0.4	-0.2	-0.2	0.0	-0.1	-0.2	-0.3
64	283	Drugs	1.8	2.6	1.6	1.3	1.5	1.1	-0.4
65	228	Yarn/Thread Mills	-1.3	-0.1	-0.2	-1.0	-1.4	-1.1	-0.5
66	254	Store Fixtures	-0.2	-0.2	0.1	0.2	0.2	0.4	-0.6
67	346	Metal Forgings	1.6	1.9	1.4	1.9	2.2	-0.3	-0.6
68	327	Concrete, Gypsum	-0.1	0.0	0.2	0.2	0.0	-0.3	-0.7
69	323	Purchased Glass	-2.1	-0.3	0.4	0.7	1.0	0.1	-0.7
70	205	Bakery Products	-0.9	-0.6	-0.6	-0.4	-0.4	-0.5	-0.7
71	366	Communication Eqp	-9.9	-6.9	-7.5	-5.3	-3.8	-3.8	-0.8
72	209	Misc Food	-3.0	-2.3	-2.0	-1.3	-0.6	-0.4	-1.1
73	227	Carpets and rugs	-2.0	-0.2	1.6	0.3	0.6	-0.5	-1.6
74	206	Sugar Products	-3.5	-4.1	-3.1	-3.0	-1.7	-1.1	-1.8
75	361	Electric Trans Equip	1.8	0.7	-0.3	-0.6	-1.4	-1.2	-1.9
76	243	Millwork, Plywood	-1.7	-1.0	-0.5	-0.9	-1.6	-2.0	-2.0
77	251	Household Furniture	-0.6	-1.3	-1.5	-1.8	-1.8	-2.0	-2.2
78	343	Plumbing & Heating	-2.2	-1.9	0.1	0.2	-1.5	-1.9	-2.3
79	291	Petroleum Refining	-5.7	-5.2	-3.2	-3.5	-3.3	-3.6	-2.5
80	305	Rubber belting ETC	-3.8	-2.4	-0.6	-2.2	-2.1	-3.0	-2.7
81	362	Electrical Indusl App	1.1	-0.6	0.4	0.3	-1.2	-4.0	-3.8
82	208	Beverages	-5.1	-5.1	-4.2	-4.4	-4.0	-3.9	-3.8
83	374	Railroad Equipment	-6.2	-3.1	-1.4	-2.2	-2.3	-5.2	-4.2
84	278	Blankbooks binding	-4.5	-3.5	-3.2	-3.1	-3.4	-3.5	-4.2
85	349	Misc Fabr Metals	-8.2	-5.7	-4.2	-4.9	-4.6	-4.9	-4.4
86	222	Fabric Mills, Other	-6.3	-5.5	-7.0	-6.5	-6.0	-5.5	-4.5
87	369	Misc Electrical	-5.4	-3.1	-0.1	-2.1	-2.8	-5.3	-4.7
88	306	Rubber Products, nec	-2.9	-0.9	-1.5	-3.2	-4.1	-4.6	-5.4
89	367	Electronic Comp	-5.5	-1.3	-1.3	-2.6	-3.7	-3.5	-6.1
90	342	Cutlery, Hand Tools	-7.0	-5.7	-4.8	-4.9	-5.1	-5.5	-6.3
91	364	Lighting/Wiring Equip	-6.9	-5.9	-5.5	-5.9	-7.2	-7.1	-6.4
92	322	Glassware, Pressed	-5.0	-3.9	-3.6	-4.4	-5.1	-6.5	-6.8
93	345	Screws, Bolts, Etc	-8.9	-6.1	-5.3	-5.7	-6.5	-6.7	-6.8
94	223	Fabric Mills, Wool	-8.5	-9.3	-9.1	-7.8	-7.9	-7.6	-7.1
95	311	Leather Tanning	-4.4	3.3	5.8	3.1	1.4	-4.7	-7.3
96	262	Paper Mills	-10.8	-9.9	-7.8	-6.9	-8.6	-6.8	-7.7
97	301	Tires/Inner Tubes	-13.4	-10.5	-7.7	-8.2	-8.8	-9.3	-7.8
98	324	Cement, Hydraulic	-10.2	-8.7	-7.1	-4.7	-5.3	-7.6	-8.3
99	395	Pens, Pencils	-7.8	-6.5	-5.4	-6.0	-8.1	-8.5	-8.8
100	354	Metalworking Mach	-7.1	-4.7	-6.2	-2.2	-4.0	-6.2	-9.2
101	239	Fabricated Textiles	-7.7	-8.3	-8.4	-8.2	-9.5	-9.6	-9.4
102	363	Household App	-9.4	-7.5	-6.9	-8.4	-7.8	-8.2	-9.5
103	242	Saw/Planing Mills	-4.5	-3.3	-2.8	-5.3	-9.1	-11.2	-10.1
104	334	Second Nonfer Met	-15.0	-13.8	-10.8	-11.5	-10.7	-9.4	-10.3
105	221	Fabric Mills, Cotton	-11.2	-10.2	-11.4	-13.4	-13.2	-11.1	-10.7
106	331	Blast Furnace	-10.5	-9.8	-8.5	-9.4	-10.1	-13.5	-10.9

Table 10.C: US Manufacturing, Net Export Share									
Source: International Trade Administration and text equation (2), in percent									
Ranked by 3-digit SIC codes and 1995 values									
1995									
Rank	SIC	Name	Y1989	Y1990	Y1991	Y1992	Y1993	Y1994	Y1995
107	399	Misc Manufacturing	-9.0	-8.2	-7.6	-8.5	-9.2	-9.9	-11.0
108	249	Misc Wood Products	-12.0	-7.7	-7.2	-8.7	-9.4	-10.7	-12.0
109	325	Structural Clay	-10.9	-10.0	-9.4	-11.2	-12.3	-12.2	-12.5
110	371	Motor Vehicles Eqp	-18.4	-17.8	-16.6	-14.3	-14.3	-14.3	-14.7
111	357	Computer/Office Eqp	3.4	5.0	2.3	-4.2	-11.4	-14.5	-16.0
112	386	Photographic Eqp	-10.1	-8.2	-8.4	-10.4	-12.9	-14.7	-16.5
113	212	Cigars	-15.2	-15.5	-10.9	-11.2	-13.5	-16.4	-18.0
114	333	Primary Nonfer Met	-19.8	-10.9	-11.1	-9.7	24.2	-16.6	-18.9
115	385	Ophthalmic Goods	-23.3	-21.7	-19.4	-19.6	-17.7	-18.2	-19.3
116	396	Costume, Jewelry	-21.1	-19.4	-20.4	-21.9	-21.3	-21.3	-19.8
117	319	Leather Goods, nec	-13.9	-14.8	-11.1	-12.7	-11.8	-19.3	-25.5
118	233	Women's Outerware	-24.2	-24.2	-23.5	-24.0	-24.1	-24.7	-25.5
119	231	Men's & Boys' Outer	-18.5	-16.5	-17.2	-19.6	-19.1	-21.7	-26.9
120	234	Women's Underware	-16.7	-19.0	-19.7	-22.1	-24.9	-26.6	-27.9
121	328	Cut Stone Products	-32.8	-35.2	-31.1	-26.7	-26.2	-27.7	-29.8
122	393	Musical Instruments	-33.0	-27.3	-25.5	-25.7	-26.2	-26.8	-30.3
123	326	Pottery and Related	-32.5	-30.9	-31.2	-32.7	-31.0	-30.5	-30.9
124	375	Motorcycles, Bicycles	-43.2	-33.1	-25.7	-30.5	-27.6	-28.3	-31.0
125	394	Toys/Sporting Goods	-35.9	-36.7	-34.3	-38.0	-37.2	-36.3	-35.6
126	232	Men's/Boys' Furnish	-29.2	-29.9	-28.5	-30.2	-32.1	-33.8	-36.6
127	235	Hats, Caps, Millinery	-26.2	-30.7	-31.2	-34.7	-35.9	-38.0	-37.5
128	237	Fur Goods	-41.7	-33.2	-28.4	-24.0	-42.8	-47.6	-41.9
129	238	Misc Apparel	-47.1	-48.6	-45.4	-48.5	-48.1	-47.2	-43.8
130	313	Footware cut stock	-30.7	-31.8	-34.7	-41.8	-47.3	-49.2	-44.6
131	365	Audio/Video Eqp	-51.6	-46.1	-44.5	-46.4	-44.7	-46.5	-44.8
132	259	Misc Furniture	-48.4	-42.1	-38.0	-37.5	-39.4	-44.8	-46.1
133	391	Jewelry, Silverware	-49.9	-46.4	-48.7	-49.0	-53.4	-54.4	-53.9
134	236	Girls' Outerware	-61.7	-61.9	-63.2	-70.2	-70.0	-67.1	-67.5
135	314	Footwear, Exc Rub	-57.6	-61.4	-62.8	-62.8	-64.3	-66.2	-68.2
136	316	Luggage	-45.4	-45.9	-47.0	-54.7	-57.8	-60.7	-68.2
137	317	Personal Leather	-54.8	-55.1	-56.7	-57.4	-60.6	-65.7	-68.9
138	315	Leather Gloves	-52.6	-53.9	-52.7	-56.8	-54.2	-62.8	-70.8
139	387	Watches, Clocks	-31.5	-51.8	-58.3	-70.5	-71.6	-72.8	-74.7
140	302	Footwear, rub/ plastic	-75.9	-75.3	-74.7	-74.6	-78.8	-74.8	-77.2
		Total	-3.8	-2.6	-1.5	-1.9	-2.6	-3.4	-3.4

Table 11 US International Trade in Services										
Source: Survey of Current Business, November 1996										
Trade in \$ Millions										
		1987	1988	1989	1990	1991	1992	1993	1994	1995
Exports										
Total Private Services		86686	100985	117870	136877	151987	164057	172139	182704	196411
Travel		23563	29434	36205	43007	48385	54742	57875	58417	61137
Royalties		10183	12146	13818	16634	17819	19715	20323	22272	26953
Business Services		4280	5426	6152	6951	11249	11994	13296	15728	16264
Computer Services		782	1394	1183	1314	2180	2543	3002	3837	4101
Computer/Data Proces		649	1198	978	1031	1738	1902	2308	2724	2823
Database		133	196	205	283	442	641	694	1113	1278
Imports										
Total Private Services		74835	81967	86351	99333	101089	103328	111016	121148	129655
Travel		29310	32114	33416	37349	35322	38552	40713	43782	45855
Royalties		1857	2601	2528	3135	4035	5074	4765	5518	6312
Business Services		1319	1848	1971	1891	2785	3295	4012	4262	4502
Computer Services		99	146	77	98	167	213	414	385	617
Computer/Data Proces		74	107	46	44	116	141	304	244	462
Database		25	39	31	54	51	72	110	141	155
Net Exports										
Total Private Services		11851	19018	31519	37544	50898	60729	61123	61556	66756
Travel		-5747	-2680	2789	5658	13063	16190	17162	14635	15282
Royalties		8326	9545	11290	13499	13784	14641	15558	16754	20641
Business Services		2961	3578	4181	5060	8464	8699	9284	11466	11762
Computer Services		683	1248	1106	1216	2013	2330	2588	3452	3484
Computer/Data Proces		575	1091	932	987	1622	1761	2004	2480	2361
Database		108	157	174	229	391	569	584	972	1123
Net Income, Direct Investment, \$ Millions										
Computer Manufacturing						3406	1562	2271	1855	3233
Computer Services						194	259	394	341	1175
Trade Shares for Business and Computer Services, in percent										
Exports										
Business Services		2.30	2.47	2.49	2.52	4.04	3.99	4.06	4.33	3.94
Computer Services		0.42	0.63	0.47	0.47	0.76	0.83	0.90	1.03	0.97
Imports										
Business Services		0.69	0.82	0.78	0.67	0.95	1.05	1.17	1.12	1.04
Computer Services		0.05	0.07	0.03	0.03	0.06	0.07	0.12	0.10	0.14
Net Exports										
Business Services		1.59	1.63	1.69	1.84	3.04	2.89	2.84	3.16	2.85
Computer Services		0.36	0.56	0.44	0.44	0.71	0.76	0.78	0.93	0.83