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A Research Report from the UC Davis Institute
of Transportation Studies

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About the UC Davis Institute of Transportation Studies

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UC Davis Campus Travel Survey

2024 – 2025

Justin Darr

August 2026

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Introduction

The UC Davis Campus Travel Survey is an annual survey led by Transportation Services (TS) and the National Center for Sustainable Transportation (NCST), part of the Institute of Transportation Studies (ITS) at UC Davis. Administered every Fall Quarter since 2007, the survey collects data about travel mode choices to the UC Davis campus and attitudes.

This data supports the *UC Policy on Sustainable Practices*, which requires UC campuses to measure and promote sustainable commuting. The survey generates critical data for system-wide targets, including the annual estimation and reporting of average vehicle ridership (AVR) and carbon dioxide equivalent emissions (CO₂e) for each UC campus. Additionally, the survey helps planners manage travel to campus, parking, implement targeted transportation policies, evaluate the effectiveness of current services, share best practices with other institutions, and track commuting behavior over time.

Survey Development and Administration

The content of this survey was adapted from previous surveys to maintain longitudinal consistency for key questions related to mode choice and residential location. However, an ongoing attempt to refine question wording has meant that some variables are not directly comparable across years (see Survey Instrument for the survey).

The online survey was hosted on Qualtrics and administered during October and November 2024. Respondents reported their travel behavior to campus for a single reference week during Fall Quarter 2024. To achieve reliable statistical estimates with an intended $\pm 5\%$ margin of error within campus roles, a stratified random sample based on the prior year campus population was drawn from institutional email lists compiled by the UC Davis Budget and Institutional Analysis (BIA) office.

To ensure accuracy, the sample population was screened to exclude off-campus affiliates:

- Students: Includes all academic and professional undergraduate and graduate levels, excluding medical students and students not based on the UC Davis campus in Davis.
- Employees: Excludes individuals affiliated with the UC Davis Medical Center, remote field stations, faculty at UC Davis Extension, temporary employees, non-salaried employees, and employees without an email address.

The survey invitation was distributed by email and followed by up to two weekly reminders for non-respondents (see Recruitment Email). To improve response rates, participants were offered a chance to enter a drawing for one of forty \$50 UC Davis CoHo or UC Davis

Bookstore gift cards. See Table 1 for a summary of the random sample stratified by campus role, where

$$\text{Invited Rate} = \frac{\text{Invited}}{\text{Assumed Population}}$$

$$\text{Response Rate} = \frac{\text{Sample Size}}{\text{Actual Population}}$$

$$\text{Geocoded Rate} = \frac{\text{Geocoded}}{\text{Sample Size}}$$

Table 1 Survey invitation and response summary by role.

Role	Assumed Population	Invited	Invited Rate	Actual Population	Sample Size	Response Rate	Geocoded	Geocoded Rate
Student	37,082	30,406	0.82	39,205	3,159	0.08	3,049	0.97
Undergraduate	31,097	24,575	0.79	32,374	2,393	0.07	2,300	0.96
Freshman	6,081	6,081	1.00	5,946	493	0.08	448	0.91
Sophomore	6,262	4,177	0.67	6,295	507	0.08	493	0.97
Junior	8,780	4,343	0.49	8,572	549	0.06	539	0.98
Senior	9,974	9,974	1.00	11,561	844	0.07	820	0.97
Graduate	5,985	5,831	0.97	6,831	766	0.11	749	0.98
Master	2,440	2,440	1.00	2,785	258	0.09	252	0.98
PhD	3,545	3,391	0.96	4,046	508	0.13	497	0.98
Employee	11,113	4,953	0.45	12,231	803	0.07	774	0.96
Faculty	1,964	1,964	1.00	1,947	298	0.15	285	0.96
Staff	9,149	2,989	0.33	10,284	505	0.05	489	0.97
Overall	48,195	35,359	0.73	51,436	3,962	0.08	3,823	0.96

Stratified Expansion

Respondents were assigned to one of eight roles based on their responses to Q2.1: Freshman, Sophomore, Junior, Senior (including Fifth-year and Post-baccalaureate), Master (including MBA, Law, Ed.D., and CANDEL), PhD (including Veterinary), Faculty, and Staff (including postdoc). For the purposes of analysis, responses were weighted by role and gender. We assume that respondents are roughly similar to the rest of the population within their role with respect to socio-demographics or other attributes that may matter for transportation choices. Respondents were weighted by gender to correct for the historically higher survey response rates among female affiliates.

To expand the sample to a projection of the full population, we apply an expansion factor (E_i) to each case:

$$E_i = \frac{N_i}{n_i}$$

Although the response rates may vary by question, we use a uniform set of weight and expansion factors across the dataset. The total population, number of responses, expansion factors, weight factors, and weighted sample sizes by role and gender are shown in Table 2.

Table 2 Population, responses, and expansion factors by role and gender.

Role	Gender	Population	Responses	Expansion Factor
Freshman	Female	3,428	337	10.17
Freshman	Male	2,269	125	18.15
Freshman	Nonbinary	110	18	6.11
Freshman	Unknown	139	13	10.69
Sophomore	Female	3,599	347	10.37
Sophomore	Male	2,440	123	19.84
Sophomore	Nonbinary	120	23	5.22
Sophomore	Unknown	136	14	9.71
Junior	Female	4,857	374	12.99
Junior	Male	3,376	129	26.17
Junior	Nonbinary	176	35	5.03
Junior	Unknown	163	11	14.82
Senior	Female	6,531	603	10.83
Senior	Male	4,678	180	25.99
Senior	Nonbinary	180	39	4.62
Senior	Unknown	172	22	7.82
Master	Female	1,345	155	8.68
Master	Male	1,217	90	13.52
Master	Nonbinary	29	6	4.83
Master	Unknown	194	7	27.71
PhD	Female	2,115	326	6.49
PhD	Male	1,669	148	11.28
PhD	Nonbinary	93	19	4.89
PhD	Unknown	169	15	11.27
Faculty	Female	789	151	5.23
Faculty	Male	920	121	7.60
Faculty	Nonbinary	8	7	1.14
Faculty	Unknown	230	19	12.11
Staff	Female	5,332	338	15.78
Staff	Male	3,771	138	27.33
Staff	Nonbinary	94	10	9.40
Staff	Unknown	1,087	19	57.21
Overall	Overall	51,436	3,962	12.98

Geocoding and Network Distances

This year's survey continues with the broad changes to the methodology for geocoding and estimating network distances made last year, with some adjustments. Respondents provide us with an approximate location of their residence by placing a pin on an interactive OpenStreetMap window in Q3.11 (OpenStreetMap contributors, 2026). This pin location is translated into a latitude and longitude point for their residence. Using the Python programming language and the OSMnx library (Boeing, 2025), these points representing respondents' residences were snapped to a network graph representing the transportation network.

OSMnx allows for the calculation of the distance between two points on the network based on shortest travel time by mode. Last year, these network distances were calculated using the shortest path between each residence and the campus. However, travel distances may be better approximated using a shortest travel time by mode. This change brings the estimated distances closer to the distances calculated in the 2022 – 2023 and prior reports using shortest travel time. See prior reports for details about older methodologies.

For calculating the shortest travel time, three networks were used for the three main modes of travel: walking, bicycling, and driving. Each network preserves only the infrastructure appropriate for its mode to allow for a more realistic routing along the network. Walking to campus used the walking network. The bicycling network was used for bicycle, e-bike, e-scooter, e-skateboard, and skates. The driving network was used for drive alone, bus, pooling, dropped off, motorcycle, ridehail, and train. Considering that the only train option to campus is Capitol Corridor which is parallel to Interstate 80 for much of the route to campus in both directions, the driving network was seen as an acceptable proxy for estimating the distance traveled on the train. The destination nodes were chosen near the center of campus. The walking and bicycling network destinations were both at the intersection of California Avenue and Hutchison Drive. The driving network does not include this intersection, so a destination was chosen close by near the intersection of Dairy Road and Hutchison Drive.

Average Weekday Arrivals by Mode

Respondents were asked their primary commute mode to campus by day of week (Q7.2) for each day of week they traveled to campus. After weighting by role and gender and projecting to the total population, Table 3 shows the estimated average weekday arrivals to campus by mode and role.

Table 3 Estimated average weekday (Mon–Fri) arrivals to campus by mode, based on respondents' reported primary mode for each weekday of the reference week, expanded to the campus population. Weekend travel is not included.

Role	Walk	E-bike	Bike	E-scooter	E-skate	Skate	Drive Alone	Pool	Drop Off	Ridehail	Motorcycle	Bus	Train	Total
Student	3,886	453	11,967	1,106	38	40	6,070	727	434	109	64	9,321	175	34,391
Undergraduate	3,438	372	9,820	975	21	32	4,304	545	347	80	48	8,811	110	28,904
Freshman	1,752	27	2,578	138	0	10	221	28	89	16	0	352	35	5,248
Sophomore	398	84	2,161	252	0	0	592	90	44	2	0	2,166	7	5,798
Junior	522	118	2,370	379	0	3	983	212	96	23	26	2,985	49	7,766
Senior	767	141	2,712	206	21	19	2,507	214	117	39	22	3,307	19	10,093
Graduate	448	81	2,147	130	17	8	1,766	182	87	28	16	510	66	5,487
Master	179	64	814	53	8	8	656	51	25	10	5	250	38	2,160
PhD	269	17	1,333	77	9	0	1,110	131	62	19	11	259	28	3,327
Employee	193	157	1,568	69	0	0	5,863	269	131	23	59	374	139	8,843
Faculty	42	29	501	14	0	0	676	25	21	1	3	61	43	1,415
Staff	151	128	1,066	55	0	0	5,187	244	109	22	56	312	96	7,428
Overall	4,079	609	13,535	1,175	38	40	11,933	996	565	132	124	9,695	314	43,234

Average Vehicle Ridership (AVR)

Average vehicle ridership (AVR) is a ratio of the number of person-arrivals to private-vehicle-arrivals for weekdays. If everyone drove alone to campus, the campus AVR would be equal to one. AVR values greater than one indicate more carpooling and/or use of active modes of transportation.

To compare AVR statistics on the Davis campus with other UC campuses, we calculate AVR using a standard formula developed by the South Coast Air Quality Management District (AQMD) in “Rule 2202 – On Road Motor Vehicle Mitigation Options”. We attempt to adhere to the AQMD formula, although our overall survey methodology deviates to some extent from that prescribed by the AQMD. For instance, the AQMD specifies that the response to the survey must be a 90% response rate, whereas we rely on surveying only a sample and weighting the responses. The AQMD formula excludes weekend travel (considering Monday through Friday only) and excludes on-campus residents (considering travel among off-campus residents only). This year introduced the inclusion of ridehail arrivals to campus. We calculate AVR both excluding and including on-campus residents, and by each role. The AQMD and most other UC campuses exclude on-campus residents and most only calculate AVR for employees rather than for students. In all cases, the estimated number of arrivals for the entire campus community is a projection. We use the following formula:

$$AVR = \frac{\sum(c_{total} + c_{tele} + c_{CWW})}{\sum\left(\left(c_{drive} + c_{moto} + \frac{c_{pool}}{n_{pool}} + \frac{c_{drop}}{n_{drop}}\right)(1 - v_{ZEV}) + c_{ride}\right)}$$

Table 4 Descriptions of the average vehicle ridership variables.

Variable	Description	Survey Question
AVR	Average Vehicle Ridership	
c_{total}	Count of total weekly arrivals on weekdays	7.2
c_{tele}	Count of telecommute days	4.1, 5.1, 5.2
c_{CWW}	Count of compressed work week (CWW) days	4.1, 5.2
c_{drive}	Count of drive alone arrivals	7.2
c_{moto}	Count of motorcycle arrivals	7.2
c_{pool}	Count of pooling arrivals	7.2
n_{pool}	Number of pooled passengers	7.10
c_{drop}	Count of dropped off arrivals	7.2
n_{drop}	Number of passengers dropped off	7.5
v_{ZEV}	1: vehicle is a zero emissions vehicle (ZEV) 0: otherwise	7.6
c_{ride}	Count of ridehailing arrivals	7.2

Table 5 Average vehicle ridership (AVR) off campus by role.

Role	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Student	5.66	5.16	3.99	4.08	3.71	4.12	2.85	3.64	4.34	4.46	3.75
Undergraduate	6.33	5.90	4.31	4.46	4.13	4.37	3.16	4.06	4.77	5.05	4.24
Freshman	4.24	2.73	2.52	2.09	1.88	2.08	3.41	2.72	5.88	2.66	2.23
Sophomore	10.64	11.14	6.97	9.70	7.09	8.00	4.52	6.46	7.64	9.87	6.22
Junior	6.64	6.23	4.02	4.06	4.25	4.62	4.40	4.26	5.83	5.36	5.70
Senior	5.31	4.75	3.92	3.85	3.44	3.52	2.30	3.38	3.64	3.89	3.38
Graduate	3.99	3.44	3.11	3.11	2.75	3.43	2.16	2.75	3.28	2.94	2.62
Master	3.04	3.11	3.07	2.81	2.49	3.30	1.92	2.86	3.70	2.87	2.65
PhD	4.78	3.77	3.13	3.43	2.95	3.53	2.27	2.64	2.95	2.98	2.60
Employee	1.61	1.83	1.55	1.60	1.63	1.59	1.31	2.16	2.13	2.07	2.01
Faculty	2.81	2.77	2.27	2.76	2.80	2.60	1.95	3.25	3.08	3.61	2.97
Staff	1.49	1.74	1.48	1.49	1.53	1.49	1.25	2.03	2.00	1.89	1.90
Overall	3.23	3.27	2.70	2.76	2.52	2.66	1.85	3.06	3.38	3.36	2.92

Table 6 Average vehicle ridership (AVR) on and off campus by role.

Role	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Student	6.93	6.46	5.08	5.34	4.38	5.05	3.49	4.49	5.16	5.55	5.36
Undergraduate	7.92	7.61	5.71	6.09	4.98	5.55	4.01	5.22	5.77	6.37	6.24
Freshman	31.58	33.12	27.93	21.35	14.89	21.10	11.12	20.06	59.40	22.59	16.40
Sophomore	11.94	11.83	7.37	10.81	7.33	8.83	5.57	6.81	8.52	11.11	9.36
Junior	7.20	6.66	4.42	4.87	4.56	5.06	4.34	4.46	5.90	5.63	6.78
Senior	5.67	5.04	4.11	4.21	3.51	3.63	2.46	3.53	3.78	4.06	3.96
Graduate	4.40	3.77	3.29	3.42	2.96	3.66	2.31	2.95	3.71	3.42	3.20
Master	3.35	3.34	3.20	3.10	2.68	3.46	2.01	3.04	4.10	3.33	3.39
PhD	5.28	4.18	3.36	3.77	3.17	3.81	2.44	2.87	3.40	3.47	3.10
Employee	1.61	1.83	1.55	1.61	1.62	1.59	1.32	2.17	2.13	2.08	2.02
Faculty	2.81	2.78	2.28	2.76	2.79	2.63	2.02	3.26	3.10	3.66	3.00
Staff	1.49	1.74	1.48	1.51	1.53	1.50	1.26	2.04	2.01	1.90	1.91
Overall	3.77	3.86	3.22	3.39	2.82	3.08	2.10	3.60	3.87	3.98	3.83

Person Miles Traveled (PMT)

We estimate the number of miles traveled to and from campus each day as the doubled network distance between respondents' geocoded home location and campus multiplied by the percent of weekdays a respondent traveled to campus. Thus, if a person lives 10 miles from campus and travels to campus all five days, her average daily miles traveled would be 20 miles; by contrast, if she traveled to campus only one day, her average daily miles traveled would be 4 miles. We then attribute miles traveled to each mode based on the share of weekdays a respondent used each mode. Thus, if a respondent bicycled one day and drove alone for four, we count 20% of her miles as bicycle miles and 80% of her miles as drive alone miles. Summed across all respondents, this figure represents the number of miles traveled by each mode on an average weekday. Additionally, PMT for pooling, getting dropped off, riding the bus, and riding the train are divided by the occupancy of the vehicle. Therefore, if a person lives 10 miles from campus and carpools with a friend three days out of the week, her PMT for pooling would be:

$$\text{PMT}_{\text{pool}} = \frac{10 \frac{\text{mi}}{\text{trip}} \cdot 2 \frac{\text{trips}}{\text{day}} \cdot \frac{3 \text{ days}}{5 \text{ week}}}{2 \text{ occupants}} = 6 \frac{\text{mi}}{\text{person} \cdot \text{week}}$$

$$\text{PMT}_m = 2 \cdot d \cdot \frac{F_m}{5} \cdot \frac{1}{\text{Occ}_m}$$

If a person did not use a mode based on their responses, we assume the PMT for that mode is 0 for that respondent. Annual values for PMT are based on the daily value per person multiplied by their estimated number of travel days for the year. The occupancy for pooling and dropped off are based on responses to Q7.10 and Q7.5, respectively. If a respondent did not provide the number of occupants per their usual pooling or dropped off trips, the occupancy used was the mean of the responses for these occupancies. The occupancies for bus and train are based on the number of passengers per vehicle (PPV). For bus and train occupancy, we assume average occupancy for all trips on those modes. We estimated average bus occupancy based on annual ridership data from Unitrans (Unitrans, 2025) if their usual bus was Unitrans, or we used average ridership from the Bureau of Transportation Statistics (Bureau of Transportation Statistics, 2024) for the estimation of PPV based on passengers and miles traveled for all other bus services. We estimated train occupancy based on annual ridership data from Amtrak's Capitol Corridor using the Capitol Corridor Annual Business Plan (Capitol Corridor Joint Powers Authority, 2025).

Table 7 Total annual person miles traveled (PMT) in millions by mode and role.

Role	Bike	Bus	Drive Alone	Drop Off	E-Bike	E-Scooter	E-Skate	Motorcycle	Pool	Ridehail	Skate	Train	Walk	Total
Student	6.945	1.590	32.378	1.482	0.442	0.696	0.022	0.115	1.102	0.200	0.053	0.024	2.444	47.491
Undergraduate	5.402	1.375	23.670	1.124	0.402	0.583	0.015	0.050	0.810	0.141	0.020	0.013	2.238	35.843
Freshman	0.736	0.046	1.700	0.276	0.003	0.047	0.000	0.000	0.093	0.062	0.003	0.004	0.749	3.719
Sophomore	1.305	0.313	2.900	0.054	0.057	0.128	0.000	0.000	0.046	0.001	0.000	0.001	0.306	5.110
Junior	1.507	0.439	4.598	0.547	0.101	0.267	0.000	0.009	0.204	0.017	0.001	0.007	0.322	8.020
Senior	1.854	0.576	14.472	0.247	0.242	0.142	0.015	0.041	0.466	0.061	0.016	0.001	0.861	18.995
Graduate	1.543	0.215	8.708	0.358	0.040	0.113	0.006	0.065	0.292	0.059	0.033	0.010	0.206	11.648
Master	0.516	0.120	3.750	0.142	0.031	0.030	0.003	0.002	0.106	0.005	0.033	0.006	0.074	4.820
PhD	1.026	0.095	4.958	0.216	0.009	0.083	0.003	0.063	0.186	0.054	0.000	0.004	0.131	6.828
Employee	1.440	0.266	43.119	0.460	0.199	0.053	0.000	0.110	0.489	0.154	0.000	0.015	0.203	46.508
Faculty	0.466	0.038	4.228	0.110	0.040	0.014	0.000	0.004	0.024	0.001	0.000	0.004	0.035	4.965
Staff	0.974	0.227	38.891	0.350	0.159	0.039	0.000	0.105	0.465	0.154	0.000	0.011	0.167	41.543
Overall	8.385	1.855	75.497	1.942	0.641	0.750	0.022	0.225	1.591	0.354	0.053	0.039	2.646	93.999

Vehicle Miles Traveled (VMT)

Vehicle miles traveled (VMT) is estimated much like PMT, except that it does not include any occupancy factors. In other words, it is always equal to the distance between home and campus times two (for a round trip) times the travel share for that mode within a week. Annual values for VMT are based on the daily value per person multiplied by their estimated number of travel days for the year:

$$\text{VMT}_m = 2 \cdot d \cdot \frac{F_m}{5}$$

Table 8 shows the total annual VMT for modes with occupancy factors that result in a difference between VMT and PMT.

Table 8 Total annual vehicle miles traveled (VMT) in millions by mode and role.

Role	Bus	Drop Off	Pool	Train
Student	9.957	1.580	2.361	3.273
Undergraduate	8.610	1.222	1.746	1.838
Freshman	0.287	0.301	0.207	0.491
Sophomore	1.961	0.061	0.102	0.129
Junior	2.752	0.548	0.483	1.016
Senior	3.610	0.312	0.953	0.202
Graduate	1.348	0.358	0.615	1.436
Master	0.755	0.142	0.226	0.845
PhD	0.593	0.216	0.389	0.591
Employee	1.665	0.518	0.998	2.046
Faculty	0.241	0.117	0.058	0.609
Staff	1.424	0.401	0.940	1.436
Overall	11.622	2.098	3.359	5.319

Greenhouse Gas (GHG) Emissions

The estimation of greenhouse gas emissions in the form of carbon dioxide equivalents (CO₂e) has changed this year compared to prior years. Emission rates per mode are new, except for trains, and have been collected from the latest data on the California Air Resources Board's (CARB) EMFAC tool online (California Air Resources Board, 2025a). This year, we used emissions rates for the entire Metropolitan Planning Organization (MPO) of SACOG rather than just for Yolo County to better represent the mix of vehicles that would be traveling to campus. Additionally, instead of just collecting the overall rate of CO₂

emissions across all vehicle types and using that as a general vehicular emission rate, we now use the vehicle type described by the respondent (Q7.6) to retrieve the appropriate emission rate for their vehicle and engine type, as well as for buses other than Unitrans and motorcycles. A weighted average of emissions rates by total VMT is used to get a combined gasoline and diesel emissions rate across all expected passenger vehicle classifications that would typically be used to travel to campus.

The calculation of CO₂e emissions has been updated to better represent CO₂e, which includes the global warming potential of methane (CH₄) and nitrous oxide (N₂O), which are shown below. These equations and the global warming potentials (GWP) are based on CARB's page on GWP (California Air Resources Board, 2025b) reporting data from the Intergovernmental Panel on Climate Change (IPCC).

Emissions rates from EMFAC are provided in grams per mile. This year, the estimation of annual emissions has been updated to match the methods used for PMT and VMT, multiplying the daily emissions by the respondent's estimated number of travel days for the year. Annual emissions are reported in metric tons.

Emissions rates per mile are multiplied by PMT to get the daily emissions per mode per person. This year also now considers the estimated miles driven by a ridehail vehicle that do not have the passenger (deadheading miles) by multiplying the PMT used for the estimation of CO₂e by a factor of 1.67 to include the estimated 40% of miles driven by ridehail vehicles as deadheading miles. Emissions rates are estimated with the following:

$$CO_{2,daily} = (2 \cdot d \cdot CO_{2,RUNEX}) + (2 \cdot CO_{2,STREX}) + CO_{2,IDLEX}$$

$$CH_{4,daily} = (2 \cdot d \cdot CH_{4,RUNEX}) + (2 \cdot CH_{4,STREX}) + CH_{4,IDLEX}$$

$$N_2O_{daily} = (2 \cdot d \cdot N_2O_{RUNEX}) + (2 \cdot N_2O_{STREX}) + N_2O_{IDLEX}$$

$$CO_{2e,daily} = CO_{2,daily} + 25 \cdot CH_{4,daily} + 298 \cdot N_2O_{daily}$$

Table 9 describes the greenhouse gas emissions variables. Table 10 shows the results for the total annual CO₂e emissions in metric tons by role and mode.

Table 9 Descriptions of the greenhouse gas emissions variables.

Variable	Description	Units
CO _{2,daily}	Total daily CO ₂ emissions	g/day
<i>d</i>	Distance traveled between each respondent's residence and campus	mi/day
CO _{2,RUNEX}	Running exhaust CO ₂ emissions	g/mi
CO _{2,STREX}	Start exhaust CO ₂ emissions	g/trip
CO _{2,IDLEX}	Idling exhaust CO ₂ emissions	g/trip
CH _{4,daily}	Total daily CH ₄ emissions	g/day
CH _{4,RUNEX}	Running exhaust CH ₄ emissions	g/mi
CH _{4,STREX}	Start exhaust CH ₄ emissions	g/trip
CH _{4,IDLEX}	Idling exhaust CH ₄ emissions	g/trip
N ₂ O _{daily}	Total daily N ₂ O emissions	g/day
N ₂ O _{RUNEX}	Running exhaust N ₂ O emissions	g/mi
N ₂ O _{STREX}	Start exhaust N ₂ O emissions	g/trip
N ₂ O _{IDLEX}	Idling exhaust N ₂ O emissions	g/trip
CO _{2e,daily}	Total daily CO ₂ equivalent emissions	g/day

Table 10 Total annual CO_{2e} emissions in metric tons.

Role	Bus	Bus No Unitrans	Drive Alone	Drop Off	Motorcycle	Pool	Ridehail	Train	Total	Total No Unitrans
Student	1,886	476	10,689	502	27	369	121	398	13,993	12,583
Undergraduate	1,593	270	7,748	379	12	264	86	224	10,305	8,983
Freshman	56	17	606	100	0	34	37	60	892	854
Sophomore	365	80	943	21	0	18	1	16	1,363	1,078
Junior	496	5	1,615	178	3	55	11	124	2,481	1,991
Senior	676	168	4,584	80	10	157	37	25	5,569	5,061
Graduate	294	206	2,941	123	15	105	36	175	3,688	3,600
Master	167	126	1,281	51	0	35	3	103	1,640	1,600
PhD	127	80	1,660	72	14	70	32	72	2,048	2,000
Employee	382	333	13,311	129	26	179	92	249	14,368	14,319
Faculty	55	49	1,106	36	1	8	1	74	1,281	1,275
Staff	327	284	12,205	93	25	171	91	175	13,086	13,043
Overall	2,268	809	24,000	631	53	548	213	647	28,361	26,901

Awareness of Transportation Services Programs

In Q12.1, respondents were asked whether they had used or had heard of any of the programs offered by Transportation Services. The results are in Table 11, weighted by role and gender and expanded to the total population.

Table 11 Awareness of Transportation Services programs.

Program	Aware but not used	Not aware	Used
Aggie Bike Buy at the Bike Barn	31,425	10,433	5,927
Bike Program Lock-Cutting Service	22,699	24,167	854
Bike Registration via Bike Index	21,720	14,129	11,852
Bike Theft Reporting via UC Davis Police	31,091	13,316	3,300
Helmet Hair, Don't Care	28,646	10,044	9,039
Lit Not Hit	11,258	33,506	2,955
ParkMobile/AggiePark/Amp Park	13,378	5,512	28,875
SPIN bike-share and scooter-share service	26,125	15,645	5,916
The Transportation and Parking Administrative Advisory Committee (TPAAC)	15,381	31,542	797
Transportation Services Mobility Assistance Shuttle	26,821	19,467	1,424
Transportation Services Motorist Assistance (lock out, jump-starts, etc.)	22,592	22,853	2,285
Yolobus/SacRT Route 138 - Causeway Connection	28,369	9,817	9,515
Zipcar Carshare at UC Davis	28,262	14,270	5,188

Acknowledgements

UC Davis Transportation Services (TS) and the Institute of Transportation Studies (ITS) at the University of California, Davis, provided financial support for this project with helpful oversight from Ramon Zavela, Susan Handy, and Dillon Fitch-Polse.

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References

Boeing, G. (2025). Modeling and Analyzing Urban Networks and Amenities with OSMnx. *Geographical Analysis* 57 (4), 567-577. doi:10.1111/gean.70009

Bureau of Transportation Statistics. (2024). *National transportation statistics* [Data set]. U.S. Department of Transportation. <https://www.bts.gov/topics/national-transportation-statistics>

California Air Resources Board. (2025a). *EMFAC*. <https://emfac.arb.ca.gov/>

California Air Resources Board. (2025b). *GHG global warming potentials*. <https://ww2.arb.ca.gov/ghg-gwps>

Capitol Corridor Joint Powers Authority. (2025). *Capitol Corridor draft FY 2025-26 & FY 2026-27 annual business plan*. <https://www.capitolcorridor.org/business-plan/>

OpenStreetMap contributors. (2026). Planet dump [Data set]. OpenStreetMap. <https://www.openstreetmap.org>

Unitrans. (2025). [Data on Unitrans annual ridership].

Recruitment Email

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Initial recruitment email:

From: Campus Travel Survey <travelsurvey@ucdavis.edu>

To: <...@ucdavis.edu>

Subject: 2024-25 Campus Travel Survey

Dear UC Davis Student [Employee],

You are invited to participate in the 2024-2025 UC Davis Campus Travel Survey. This annual survey provides campus planners with valuable feedback on how people get to campus and their experiences with various transportation programs. It is intended for everyone who works or studies at UC Davis.

Your feedback helps improve the campus!

UC Davis Transportation Services (TS) and graduate students from the Institute of Transportation Studies have used the results from this survey to:

- Identify trends in the way that people get to campus from year to year
- Better understand the factors that encourage biking to campus
- Prioritize infrastructure improvements on campus
- Develop new TS programs to serve the campus community
- Estimate greenhouse gas emissions for travel to the campus

Participating in this research survey takes **10-15 minutes**. Doing so is voluntary. We assure you that **all responses are confidential**, and the results will only be published in the aggregate, without connection to any individual. You must be at least 18 years old to complete this survey.

We're going to ask you questions in the following areas:

- Your role at UC Davis
- Your travel to and from campus
- Your experience with campus transportation programs
- Your safety and security when traveling on campus
- Your housing and experience with housing affordability
- Some background information about you

In appreciation for your time, we're offering anyone who completes the survey entry into a drawing for **40 \$50 CoHo or UC Davis Bookstore gift cards!**

To start the survey, click on the link below:

<http://travel.its.ucdavis.edu>

Thanks for your participation in this year's survey!

Sincerely,
Mary Croughan
Provost and Executive Vice Chancellor

Survey Instrument

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2024-2025 UC Davis Campus Travel Survey

Survey Flow

EmbeddedData

no_Value will be set from Panel or URL.
id_panelValue will be set from Panel or URL.
staffValue will be set from Panel or URL.
facultyValue will be set from Panel or URL.
classgroupedValue will be set from Panel or URL.
bg_res_map_latValue will be set from Panel or URL.
bg_res_map_lngValue will be set from Panel or URL.
safety_ebike_map_latValue will be set from Panel or URL.
safety_ebike_map_lngValue will be set from Panel or URL.
safety_bike_map_latValue will be set from Panel or URL.
safety_bike_map_lngValue will be set from Panel or URL.
safety_escooter_map_latValue will be set from Panel or URL.
safety_escooter_map_lngValue will be set from Panel or URL.
safety_eskate_map_latValue will be set from Panel or URL.
safety_eskate_map_lngValue will be set from Panel or URL.
safety_skate_map_latValue will be set from Panel or URL.
safety_skate_map_lngValue will be set from Panel or URL.
safety_walk_map_latValue will be set from Panel or URL.
safety_walk_map_lngValue will be set from Panel or URL.
theft_map_latValue will be set from Panel or URL.
theft_map_lngValue will be set from Panel or URL.

Block: 1 Welcome (1 Question)

Standard: 2 Role (3 Questions)

Branch: New Branch

If

If role_primary I am no longer affiliated with UC Davis Is Selected

EndSurvey: Advanced

Branch: New Branch

If

If role_office_location Outside of Davis Is Selected

EndSurvey: Advanced

Standard: 3 Background (11 Questions)

Standard: 4 Travel to campus - Days traveled last week (1 Question)

Standard: 5 Travel to Campus - Days not traveled last week (3 Questions)

Branch: New Branch

If

If nt_resume No Is Selected	
EndSurvey: Advanced	
Standard: 6 Travel to Campus - Usual travel to campus (5 Questions)	
Branch: New Branch	
If	
If travel_days I did not travel to campus destinations for school or work last week Is Not Selected	
Standard: 7 Travel to Campus - Modes used last week (14 Questions)	
Standard: 8 Travel to Campus - Summer (2 Questions)	
Standard: 9 Last Year (2 Questions)	
Branch: New Branch	
If	
If bg_limit Walking - Yes Is Not Selected	
And bg_limit Bicycling - Yes Is Not Selected	
And last_year_at_ucd Yes Is Selected	
Block: 10 Safety Add On (14 Questions)	
Branch: New Branch	
If	
If bg_limit Bicycling - Yes Is Not Selected	
AndIf	
If last_year_modes E-bike - Yes Is Selected	
Or last_year_modes Bike - Yes Is Selected	
AndIf	
If last_year_at_ucd Yes Is Selected	
Standard: 11 Bike Theft Add On (5 Questions)	
Standard: 12 Campus transportation programs (1 Question)	
Branch: New Branch	
If	
If bg_res Off-campus elsewhere in the city of Davis Is Selected	
Or bg_res Outside of Davis Is Selected	
Block: 13 Housing (10 Questions)	
Standard: 14 Attitudes (5 Questions)	
Standard: 15 SPIN Add On (9 Questions)	

Branch: New Branch

If

If spin_pricing1_Fm_Mm_Qm Pay as you go
 \$1 unlock fee + \$0.32 per minute Is Selected

Or spin_pricing1_Fm_Mm_Qm Davis Commuter Pass \$60
 600 minutes of ride time for the next 90 days Is Selected

Or spin_pricing1_Fm_Mm_Qm None, I do not want any of these Is Selected

BlockRandomizer: 2 - Evenly Present Elements

Standard: 16 SPIN Pricing 5 Fl Mh Qh Add On (1 Question)

Standard: 17 SPIN Pricing 6 Fl Mm Qm Add On (1 Question)

Standard: 18 SPIN Pricing 7 Fl Ml Ql Add On (1 Question)

Standard: 19 SPIN Pricing 8 Fm Ml Ql Add On (1 Question)

Standard: 20 SPIN Pricing 9 Fh Ml Ql Add On (1 Question)

Branch: New Branch

If

If spin_pricing1_Fm_Mm_Qm Monthly Subscription \$35
 30 minutes of ride time per day for the next 30 days Is Selected

Or spin_pricing1_Fm_Mm_Qm Quarterly Subscription \$105
 30 minutes of ride time per day for the next 90 days Is Selected

BlockRandomizer: 2 - Evenly Present Elements

Standard: 18 SPIN Pricing 7 Fl Ml Ql Add On (1 Question)

Standard: 19 SPIN Pricing 8 Fm Ml Ql Add On (1 Question)

Standard: 20 SPIN Pricing 9 Fh Ml Ql Add On (1 Question)

Standard: 17 SPIN Pricing 6 Fl Mm Qm Add On (1 Question)

Standard: 16 SPIN Pricing 5 Fl Mh Qh Add On (1 Question)

Standard: 21 SPIN Pricing 4 Fm Mh Qh Add On (1 Question)

Standard: 22 SPIN Pricing 3 Fh Mh Qh Add On (1 Question)

Branch: New Branch

If

If spin_pricing1_Fm_Mm_Qm Flat rate \$2.75 per trip
 Up to 15 minutes of ride time per trip Is Selected

BlockRandomizer: 2 - Evenly Present Elements

Standard: 23 SPIN Pricing 2 Fh Mm Qm Add On (1 Question)

Standard: 22 SPIN Pricing 3 Fh Mh Qh Add On (1 Question)

Standard: 18 SPIN Pricing 7 Fl Ml Ql Add On (1 Question)

Standard: 19 SPIN Pricing 8 Fm Ml Ql Add On (1 Question)

Standard: 20 SPIN Pricing 9 Fh ML Ql Add On (1 Question)

Block: 24 Demographics (4 Questions)

Block: 25 Prize Opt-In (4 Questions)

Page Break

Start of Block: 1 Welcome

Q1.1 Welcome to the 2024-2025 Campus Travel Survey! You are invited to participate in the 2024-2025 UC Davis Campus Travel Survey. This annual survey provides campus planners with valuable feedback on how people get to campus and their experiences with various transportation programs. It is intended for everyone who works or studies at UC Davis. **Your feedback helps improve the campus!** UC Davis Transportation Services (TS) and graduate students from the Institute of Transportation Studies have used the results from this survey to:

- Identify trends in the way that people get to campus from year to year
- Better understand the factors that encourage biking to campus
- Prioritize infrastructure improvements on campus
- Develop new TS programs to serve the campus community
- Estimate greenhouse gas emissions for travel to the campus

Participating in this research survey takes **10-15 minutes**. Doing so is voluntary. We assure you that **all responses are confidential** and the results will only be published in the aggregate, without connection to any individual. You must be at least 18 years old to complete this survey. **We're going to ask you questions in the following areas:**

- Your role at UC Davis
- Your travel to and from campus
- Your experience with campus transportation programs
- Your safety and security when traveling on campus
- Your housing and experience with housing affordability
- Some background information about you

To reward you for your time and input, you will be entered into a drawing for **forty \$50 CoHo or UC Davis Bookstore gift cards**. If you are unable to complete the survey but would like to be included in the drawing, please email us at travelsurvey@ucdavis.edu to be entered.

Thanks for participating! **Justin Darr**, PhD Candidate, Institute of Transportation Studies (jwdarr@ucdavis.edu) **Susan Handy**, Professor, Institute of Transportation Studies (slhandy@ucdavis.edu)

End of Block: 1 Welcome

Start of Block: 2 Role



Q2.1 What is your **primary role** at UC Davis? If you are a student who is also employed by the university, please select your student role. If you are visiting, please select your role at UC Davis.

- ☐ Freshman (11)
- ☐ Sophomore (12)
- ☐ Junior (13)
- ☐ Senior (including Fifth-year and Post-baccalaureate) (1)
- ☐ Master (including MBA, Law, Ed.D., and CANDEL) (2)
- ☐ PhD (including Veterinary) (5)
- ☐ Faculty (3)
- ☐ Staff (including Post doc) (4)
- ☐ I am no longer affiliated with UC Davis (8)

Display this question:

If Q2.1 = 11

Or Q2.1 = 12

Or Q2.1 = 13

Or Q2.1 = 1

Or Q2.1 = 2

Or Q2.1 = 5

Q2.2 As a student, are you also a paid employee of UC Davis?

☐ Yes (1)

☐ No (2)

Display this question:

If Q2.1 = 2

Or Q2.1 = 5

Or Q2.1 = 3

Or Q2.1 = 4



Q2.3 Where is your primary UC Davis office, lab, or other facility?

☐ Main Campus area (this is most people) (1)

☐ On the Davis campus, in the West Campus area (west of SR 113) (2)

☐ On the Davis campus, in the South Campus area (south of I-80) (3)

☐ Technically off-campus, but within the City of Davis (4)

☐ Outside of Davis (5)

☐ I work from home (6)

End of Block: 2 Role

Start of Block: 3 Background

Q3.1 Next, we have a few questions about you. Do you currently have a United States driver's license?

☐ Yes (5)

☐ No (6)

Q3.2 Do you have any physical conditions that prevent you from...

	Yes (1)	No (2)
Walking (1)	☐	☐
Bicycling (2)	☐	☐
Driving (3)	☐	☐
Using public transit (4)	☐	☐

Page Break



Q3.3 How do you describe yourself?

- ☐ Female (2)
- ☐ Male (7)
- ☐ Genderqueer or nonbinary gender (6)
- ☐ Prefer not to say (8)

Page Break



Q3.4

We are interested in your available means of transportation.

Select all options that are available to you for getting to campus, whether or not you use them on a regular basis. Include options you would only use for part of the way.

- ☐ Walk (or wheelchair) (1)
 - ☐ Electric-assist bike (e-bike) (23)
 - ☐ Bike (3)
 - ☐ Stand up electric scooter (e-scooter) (24)
 - ☐ Electric skateboard (e-skateboard) (25)
 - ☐ Skates, conventional skateboard, or kick scooter (2)
 - ☐ Drive alone in a car (or other vehicle) (6)
 - ☐ Carpool and/or vanpool with others going to campus (7)
 - ☐ Get dropped off by a friend or family (the driver continues on elsewhere) (8)
 - ☐ Lyft, Uber, or other ride-hailing service (14)
 - ☐ Motorcycle or Vespa-like scooter (5)
 - ☐ Bus and/or shuttle (9)
 - ☐ Train (Amtrak) (10)
 - ☐ Other: (22) _____
-

Page Break

Display this question:

If Q3.4 = 23



Q3.5 What kind of e-bike is available to you? Select all that apply.

☐

E-bike that I own (5)

☐

E-bike that I borrow or rent long term (6)

☐

SPIN (3)

Display this question:

If Q3.4 = 24



Q3.6 What kind of e-scooter is available to you? Select all that apply.

☐

E-scooter that I own (1)

☐

E-scooter that I borrow or rent long term (4)

☐

SPIN (3)

Display this question:

If Q3.4 = 7

Q3.7 Do you have access to a carpool, vanpool, or both?

☐

Carpool (1)

☐

Vanpool (2)

Display this question:

If Q3.4 = 9



Q3.8 Which bus or shuttle is available to you? Select all that apply.

☐

Unitrans (1)

☐

Yolobus (2)

☐

Bee Line Microtransit (9)

☐

Sacramento Regional Transit (4)

☐

UC Berkeley/Davis Shuttle (5)

☐

Causeway Connection (UCD/UCDMC Intercampus Shuttle) (7)

☐

FlixBus (8)

☐

Solano Express (10)

☐

Other: (6) _____

Display this question:

If Q3.4 = 9

Or Q3.4 = 10



Q3.9 Do you currently have a multi-ride transit pass?

Display this choice:

If Q2.1 = 11

Or Q2.1 = 12

Or Q2.1 = 13

Or Q2.1 = 1

- ☐ Yes - with my student ID card (4)
- ☐ Yes - Monthly ticket (1)
- ☐ Yes - Multi-ride ticket (e.g. 10-rides) (2)
- ☐ Yes - Other: (5) _____
- ☐ No (3)

Page Break



Q3.10 Where do you live now?

- ☐ On the UC Davis main campus (includes Cuarto and the area east of SR 113, south of Russell Blvd, west of A St, and north of I-80) (1)
- ☐ On-campus in the West Village apartments (2)
- ☐ Off-campus elsewhere in the city of Davis (3)
- ☐ Outside of Davis (4)

Page Break



Q3.11 Where do you live now? **Place a pin near from where you are traveling to campus on a regular basis.** This information will only be used to calculate the approximate distance you travel to campus and to help plan facility needs around campus. It will be kept confidential.

End of Block: 3 Background

Start of Block: 4 Travel to campus - Days traveled last week



Q4.1 Consider your activities **last week (Monday, October 28, to Sunday, November 3).** Which days did you visit campus for school or work? If you live on campus, include trips

to other campus locations. Additionally, count visits to UC Davis offices or labs that are technically off-campus but within the City of Davis.

- ☐ Monday (1)
- ☐ Tuesday (2)
- ☐ Wednesday (3)
- ☐ Thursday (4)
- ☐ Friday (5)
- ☐ Saturday (6)
- ☐ Sunday (7)
- ☐ ☒ I did not travel to campus destinations for school or work last week (8)

End of Block: 4 Travel to campus - Days traveled last week

Start of Block: 5 Travel to Campus - Days not traveled last week

Display this question:

If Q4.1 = 8



Q5.1 What was the main reason you did not go to campus destinations **last week** for school or work?

- ☐ Study abroad or sabbatical (1)
- ☐ Vacation, sickness, or personal leave (2)
- ☐ Work or school-related travel (e.g. meeting, conference, field work) (3)
- ☐ Telecommuting (working from home or another remote location) (4)
- ☐ Temporary appointment elsewhere (internship, visiting scholar, teaching appointment, exchange program, etc.) (5)
- ☐ Other: (6) _____

Display this question:

If Q4.1 != 8

And If

Q2.1 = 2

Or Q2.1 = 5

Or Q2.1 = 3

Or Q2.1 = 4

And If

If travel_days Selected Count Is Greater Than or Equal to 1

And And travel_days Selected Count Is Less Than or Equal to 4



Q5.2 You mentioned that you **did not travel** to campus on the following days **last week**. What was the main reason you did not travel to campus? Please answer for each day individually.

Display this choice:

If Q4.1 != 1

Display this choice:

If Q4.1 != 2

Display this choice:

If Q4.1 != 3

Display this choice:

If Q4.1 != 4

Display this choice:

If Q4.1 != 5

	Telecommuting (working from home or another remote location) (1)	Work or school- related travel (e.g. meeting, conference, field work) (2)	Regularly scheduled day off (3)	Vacation, sickness, or personal leave (4)	Day off as part of a compressed work week (e.g. 9/80 schedule) (5)	Other (6)
Display this choice: If Q4.1 != 1	☐	☐	☐	☐	☐	☐
Monday (1)						
Display this choice: If Q4.1 != 2	☐	☐	☐	☐	☐	☐
Tuesday (2)						
Display this choice: If Q4.1 != 3	☐	☐	☐	☐	☐	☐
Wednesday (3)						
Display this choice: If Q4.1 != 4	☐	☐	☐	☐	☐	☐
Thursday (4)						
Display this choice: If Q4.1 != 5	☐	☐	☐	☐	☐	☐
Friday (5)						

Display this question:

If Q4.1 = 8

Q5.3 Do you expect to resume regular travel to campus for school or work this academic year?

☐ Yes (1)

☐ No (2)

End of Block: 5 Travel to Campus - Days not traveled last week

Start of Block: 6 Travel to Campus - Usual travel to campus



Q6.1 When you are regularly traveling to campus, about how many days per week do you **typically** travel to campus for school or work?

☐ Less than once a week (1)

☐ 1 day per week (2)

☐ 2 days per week (3)

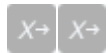
☐ 3 days per week (4)

☐ 4 days per week (5)

☐ 5 days per week (6)

☐ 6 days per week (7)

☐ 7 days per week (8)



Q6.2 What means of transportation do you **usually use to get to campus?** (If you usually use more than one mode of transportation, please select the one you usually use for **most of the distance**).

- ☐ Walk (or wheelchair) (1)
 - ☐ Electric-assist bike (e-bike) (2)
 - ☐ Bike (3)
 - ☐ Stand up electric scooter (e-scooter) (4)
 - ☐ Electric skateboard (e-skateboard) (5)
 - ☐ Skates, conventional skateboard, or kick scooter (6)
 - ☐ Drive alone in a car (or other vehicle) (7)
 - ☐ Carpool and/or vanpool with others going to campus (8)
 - ☐ Get dropped off by a friend or family (the driver continues on elsewhere) (9)
 - ☐ Lyft, Uber, or other ride-hailing service (10)
 - ☐ Motorcycle or Vespa-like scooter (11)
 - ☐ Bus and/or shuttle (12)
 - ☐ Train (Amtrak) (13)
 - ☐ Other: (14)
-

Display this question:

If If usual_mode Bus and/or shuttle Is Selected

Carry Forward Selected Choices - Entered Text from "Q3.8"



Q6.3 Which bus do you **usually use to get to campus**? (If you used more than one, please select the service used for the greater distance of your trip.)

- ☐ Unitrans (1)
- ☐ YoloBus (2)
- ☐ Bee Line Microtransit (3)
- ☐ Sacramento Regional Transit (4)
- ☐ UC Berkeley/Davis Shuttle (5)
- ☐ Causeway Connection (UCD/UCDMC Intercampus Shuttle) (6)
- ☐ FlixBus (7)
- ☐ Solano Express (8)
- ☐ Other: (9)



Q6.4 What means of transportation do you usually use to **get around campus**?

Display this choice:

If Q3.4 = 1

☐ Walk (or wheelchair) (1)

Display this choice:

If Q3.4 = 23

☐ Electric-assist bike (e-bike) (15)

Display this choice:

If Q3.4 = 3

☐ Bike (3)

Display this choice:

If Q3.4 = 24

☐ Stand up electric scooter (e-scooter) (16)

Display this choice:

If Q3.4 = 25

☐ Electric skateboard (e-skateboard) (17)

Display this choice:

If Q3.4 = 2

☐ Skates, conventional skateboard, or kick scooter (2)

Display this choice:

If Q3.4 = 6

☐ Drive alone in a car (or other vehicle) (6)

Display this choice:

If Q3.4 = 7

☐ Carpool (7)

Display this choice:

If Q3.4 = 8

- ☐ Get a dropped off by a friend or family (the driver continues on elsewhere) (8)

Display this choice:

If Q3.4 = 14

- ☐ Lyft, Uber, or other ride-hailing service (12)

Display this choice:

If Q3.4 = 5

- ☐ Motorcycle or Vespa-like scooter (5)

Display this choice:

If Q3.4 = 9

- ☐ Bus and/or shuttle (9)

Display this choice:

If If bg_available_modes Text Response Is Not Empty

- ☐ Other: (10) _____

Page Break

Display this question:

If Q2.1 = 4

Q6.5 When do you typically arrive on campus?

▼ Before 7:00 am (2) ... Noon or later (13)

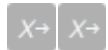
End of Block: 6 Travel to Campus - Usual travel to campus

Start of Block: 7 Travel to Campus - Modes used last week

Display this question:

If If travel_days q://QID24/SelectedChoicesCount Is Greater Than or Equal to 1

Carry Forward Selected Choices - Entered Text from "Q3.4"



Q7.1 Consider how you traveled to campus **last week**. **First think back to the entire week (Monday, October 28 - Sunday, November 3)**. Please tell us ***all*** the different means of transportation you used at some point on your way to school or work, from the moment

you left home to when you arrived at your first destination on campus – even if it was just for part of the way – on any day that week. Select **all** that apply.

- ☐ Walk (or wheelchair) (1)
 - ☐ Electric-assist bike (e-bike) (2)
 - ☐ Bike (3)
 - ☐ Stand up electric scooter (e-scooter) (4)
 - ☐ Electric skateboard (e-skateboard) (5)
 - ☐ Skates, conventional skateboard, or kick scooter (6)
 - ☐ Drive alone in a car (or other vehicle) (7)
 - ☐ Carpool and/or vanpool with others going to campus (8)
 - ☐ Get dropped off by a friend or family (the driver continues on elsewhere) (9)
 - ☐ Lyft, Uber, or other ride-hailing service (10)
 - ☐ Motorcycle or Vespa-like scooter (11)
 - ☐ Bus and/or shuttle (12)
 - ☐ Train (Amtrak) (13)
 - ☐ Other: (14)
-

Display this question:

If If travel_days q://QID24/SelectedChoicesCount Is Greater Than or Equal to 1

Carry Forward Selected Choices - Entered Text from "Q7.1"



Q7.2 Next, consider each day specifically. Please select how you got to your first campus destination each day. (If you used more than one mode of transportation, select whatever you did for **most of the distance**.)

Display this choice:

If Q4.1 = 1

Display this choice:

If Q4.1 = 2

Display this choice:

If Q4.1 = 3

Display this choice:

If Q4.1 = 4

Display this choice:

If Q4.1 = 5

Display this choice:

If Q4.1 = 6

Display this choice:

If Q4.1 = 7

	Walk (or wheel- chair) (1)	Electric- assist bike (e-bike) (2)	Bike (3)	Stand up electric scooter (e-scooter) (4)	Electric skateboard (e-skateboard) (5)	Skate- boards, conventional skateboard, or kick scooter (6)	Drive alone in a car (or other vehicle) (7)	Car pool and/or vanpool with others going to campus (8)	Get dropped off by a friend or family (the driver continues on elsewhere) (9)	Lyft, Uber, or other ride-hailing service (10)	Motorcycle or Vespa- like scooter (11)	Bus and/or shuttle (12)	Train (Amtrak) (13)	Other: (14)
Display this choice: If Q4.1 = 1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Monday (1)														
Display this choice: If Q4.1 = 2	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Tuesday (2)														

Display
this
choice:

If
Q4.1
= 3

Wednesday
(3)

○ ((○ ○ ((C (C ((

Display
this
choice:

If
Q4.1
= 4

Thursday
(4)

○ (((○ ○ ((C (C ((

Display
this
choice:

If
Q4.1
= 5

Friday
(5)

○ (((○ ○ ((C (C ((

Display
this
choice:

If
Q4.1
= 6

Saturday
(6)

○ (((○ ○ ((C (C ((

Display
this
choice:

If
Q4.1
= 7

Sunday (7)

○ ((○ ○ ((C (C ((

Page Break

Display this question:

If If mode_all Electric-assist bike (e-bike) Is Selected

Or Q7.2 [2] (Count) > 0

And If

If bg_available_ebike q://QID375/SelectedChoicesCount Is Greater Than 1

Carry Forward Selected Choices from "Q3.5"



Q7.3 What kind of e-bike did you use **last week**?

☐

E-bike that I own (1)

☐

E-bike that I borrow or rent long term (2)

☐

SPIN (3)

Display this question:

If If mode_all Stand up electric scooter (e-scooter) Is Selected

Or Q7.2 [4] (Count) > 0

And If

If bg_available_escooter q://QID661/SelectedChoicesCount Is Greater Than 1

Carry Forward Selected Choices from "Q3.6"



Q7.4 What kind of stand up electric scooter (e-scooter) did you use **last week**?

☐

E-scooter that I own (1)

☐

E-scooter that I borrow or rent long term (2)

☐

SPIN (3)

Display this question:

If If mode_all Get dropped off by a friend or family (the driver continues on elsewhere) Is Selected

Or Q7.2 [9] (Count) > 0



Q7.5 During the times when you got dropped off by a friend or family **last week**, how many people did your driver usually drop off?

Display this question:

If If mode_all Drive alone in a car (or other vehicle) Is Selected

Or Or mode_all Carpool and/or vanpool with others going to campus Is Selected

Or Or mode_all Get dropped off by a friend or family (the driver continues on elsewhere) Is Selected

Or Or mode_all Motorcycle or Vespa-like scooter Is Selected



Q7.6 Which type of vehicle did you primarily use to get to campus **last week**?

- ☐ Gasoline or diesel vehicle (1)
- ☐ Conventional hybrid vehicle (does not plug into the electricity grid) (2)
- ☐ Plug-in hybrid electric vehicle (3)
- ☐ All-electric vehicle (4)
- ☐ CNG fueled vehicle (5)
- ☐ Biofuel vehicle (6)
- ☐ Hydrogen fuel cell vehicle (7)

Page Break

Display this question:

If mode_all Drive alone in a car (or other vehicle) Is Selected

Or Or mode_all Carpool and/or vanpool with others going to campus Is Selected

Or Or mode_all Motorcycle or Vespa-like scooter Is Selected

Or Or usual_mode Drive alone in a car (or other vehicle) Is Selected

Or Or usual_mode Carpool and/or vanpool with others going to campus Is Selected

Or Or usual_mode Motorcycle or Vespa-like scooter Is Selected



Q7.7 When you drive to Davis for school or work, do you **usually** park on-campus or off-campus?

☐ On-campus (1)

☐ Off-campus (2)

Display this question:

If Q7.7 = 2



Q7.8 How do you **usually** get from your parked car to campus?

Display this choice:

If If mode_all Walk (or wheelchair) Is Selected

☐ Walk (or wheelchair) (8)

Display this choice:

If If mode_all Electric-assist bike (e-bike) Is Selected

☐ Electric-assist bike (e-bike) (16)

Display this choice:

If If mode_all Bike Is Selected

☐ Bike (9)

Display this choice:

If If mode_all Stand up electric scooter (e-scooter) Is Selected

☐ Stand up electric scooter (e-scooter) (17)

Display this choice:

If If mode_all Electric skateboard (e-skateboard) Is Selected

☐ Electric skateboard (e-skateboard) (18)

Display this choice:

If If mode_all Skates, conventional skateboard, or kick scooter Is Selected

☐ Skates, conventional skateboard, or kick scooter (11)

Display this choice:

If If mode_all Get dropped off by a friend or family (the driver continues on elsewhere) Is Selected

☐ Get dropped off by a friend or family (the driver continues on elsewhere) (12)

Display this choice:

If If mode_all Bus and/or shuttle Is Selected

☐ Bus and/or shuttle (13)

Display this choice:

If If mode_all Lyft, Uber, or other ride-hailing service Is Selected

☐ Lyft, Uber, or other ride-hailing service (14)

Display this choice:

If If mode_all Other: Is Selected

☐ Other: (15) _____

Display this question:

If If mode_all Carpool and/or vanpool with others going to campus Is Selected

Or Q7.2 [8] (Count) > 0

Q7.9 You mentioned that you carpooled or vanpooled **last week**. Which was it?

☐ Carpool (1)

☐ Vanpool (2)

Display this question:

If If mode_all Carpool and/or vanpool with others going to campus Is Selected

Or Q7.2 [8] (Count) > 0



Q7.10 During the times when you carpooled or vanpooled **last week**, about how many people were in your carpool or vanpool (including yourself)?

Display this question:

If If mode_all Bus and/or shuttle Is Selected

Or Q7.2 = 12

Carry Forward Selected Choices - Entered Text from "Q3.8"



Q7.11 Which bus or shuttle did you use on your way to campus **last week**? If you used more than one, please select the service used for the greater distance of your trip.

- ☐ Unitrans (1)
- ☐ Yolobus (2)
- ☐ Bee Line Microtransit (3)
- ☐ Sacramento Regional Transit (4)
- ☐ UC Berkeley/Davis Shuttle (5)
- ☐ Causeway Connection (UCD/UCDMC Intercampus Shuttle) (6)
- ☐ FlixBus (7)
- ☐ Solano Express (8)
- ☐ Other: (9)

Display this question:

If If mode_bus Unitrans Is Selected



Q7.12 Which Unitrans line did you use on your way to campus **last week**?

▼ A Line (1) ... Z Line (18)

Page Break

Display this question:

If mode_all Bus and/or shuttle Is Selected

Or mode_all Train (Amtrak) Is Selected



Q7.13 Which travel mode did you use to get **from your residence** to the bus stop or train station?

Display this choice:

If If mode_all Walk (or wheelchair) Is Selected

☐ Walk (or wheelchair) (13)

Display this choice:

If If mode_all Electric-assist bike (e-bike) Is Selected

☐ Electric-assist bike (e-bike) (14)

Display this choice:

If If mode_all Bike Is Selected

☐ Bike (15)

Display this choice:

If If mode_all Stand up electric scooter (e-scooter) Is Selected

☐ Stand up electric scooter (e-scooter) (16)

Display this choice:

If If mode_all Electric skateboard (e-skateboard) Is Selected

☐ Electric skateboard (e-skateboard) (17)

Display this choice:

If If mode_all Skates, conventional skateboard, or kick scooter Is Selected

☐ Skates, conventional skateboard, or kick scooter (18)

Display this choice:

If If mode_all Drive alone in a car (or other vehicle) Is Selected

☐ Drive alone in a car (or other vehicle) (19)

Display this choice:

If If mode_all Get dropped off by a friend or family (the driver continues on elsewhere) Is Selected

☐ Get dropped off by a friend or family (the driver continues on elsewhere) (20)

Display this choice:

If If mode_all Lyft, Uber, or other ride-hailing service Is Selected

☐ Lyft, Uber, or other ride-hailing service (21)

Display this choice:

If If mode_all Motorcycle or Vespa-like scooter Is Selected

☐ Motorcycle or Vespa-like scooter (22)

Display this choice:

If If mode_all Other: Is Selected

☐ Other: (23) _____

Display this question:

If If mode_all Bus and/or shuttle Is Selected

Or Or mode_all Train (Amtrak) Is Selected



Q7.14 Which travel mode did you use to get from the bus stop or train station **to your usual destination on campus?**

Display this choice:

If If mode_all Walk (or wheelchair) Is Selected

☐ Walk (or wheelchair) (13)

Display this choice:

If If mode_all Electric-assist bike (e-bike) Is Selected

☐ Electric-assist bike (e-bike) (14)

Display this choice:

If If mode_all Bike Is Selected

☐ Bike (15)

Display this choice:

If If mode_all Stand up electric scooter (e-scooter) Is Selected

☐ Stand up electric scooter (e-scooter) (16)

Display this choice:

If If mode_all Electric skateboard (e-skateboard) Is Selected

☐ Electric skateboard (e-skateboard) (17)

Display this choice:

If If mode_all Skates, conventional skateboard, or kick scooter Is Selected

☐ Skates, conventional skateboard, or kick scooter (18)

Display this choice:

If If mode_all Drive alone in a car (or other vehicle) Is Selected

☐ Drive alone in a car (or other vehicle) (19)

Display this choice:

If If mode_all Get dropped off by a friend or family (the driver continues on elsewhere) Is Selected

☐ Get dropped off by a friend or family (the driver continues on elsewhere) (20)

Display this choice:

If If mode_all Lyft, Uber, or other ride-hailing service Is Selected

☐ Lyft, Uber, or other ride-hailing service (21)

Display this choice:

If If mode_all Motorcycle or Vespa-like scooter Is Selected

☐ Motorcycle or Vespa-like scooter (22)

Display this choice:

If If mode_all Other: Is Selected

☐ Other: (23) _____

End of Block: 7 Travel to Campus - Modes used last week

Start of Block: 8 Travel to Campus - Summer



Q8.1 Now consider this past summer, from June 14 - September 22, 2024. How many weeks did you spend at UC Davis during the summer? Please estimate the number of weeks you visited campus at least once a week. If you visited a UC Davis office or lab that

is technically off-campus but within the city of Davis, please count that as well. (Note: There were a total of 14 weeks in the academic summer.)

- ☐ None (15)
 - ☐ All summer / 14 weeks (June 14 - September 22) (1)
 - ☐ 13 weeks (2)
 - ☐ 12 weeks (3)
 - ☐ 11 weeks (4)
 - ☐ 10 weeks (5)
 - ☐ 9 weeks (6)
 - ☐ 8 weeks (7)
 - ☐ 7 weeks (8)
 - ☐ 6 weeks (equivalent to just ONE summer session, I or II) (9)
 - ☐ 5 weeks (10)
 - ☐ 4 weeks (11)
 - ☐ 3 weeks (12)
 - ☐ 2 weeks (13)
 - ☐ 1 week (14)
-

Display this question:

If Q8.1 != 15

Q8.2 During this summer, how many days per week were you typically on campus?

☐ 1 (1)

☐ 2 (2)

☐ 3 (3)

☐ 4 (4)

☐ 5 (5)

☐ 6 (6)

☐ 7 (7)

End of Block: 8 Travel to Campus - Summer

Start of Block: 9 Last Year

Q9.1 Did you work or study at UC Davis during the 2023-2024 academic year?

☐ Yes (1)

☐ No (2)

Display this question:

If Q9.1 = 1

Q9.2 These next questions are about getting to and/or around the UC Davis campus during the last academic year (from Fall Quarter 2023 through the end of Summer Session 2024). Do not consider travel you did that was unrelated to getting to, from, and/or around campus. Did you use any of the following modes to get to, from, and/or around the UC Davis campus at least once last year?

	Yes (1)	No (2)
E-bike (4)	☐	☐
Bike (5)	☐	☐
E-scooter (6)	☐	☐
E-skateboard (10)	☐	☐
Skates, conventional skateboard, or kick scooter (7)	☐	☐

End of Block: 9 Last Year

Start of Block: 10 Safety Add On

Carry Forward Selected Choices from "Q9.2"



Q10.1 How many falls or crashes have you experienced while using the following modes to get to, from, and/or around the UC Davis campus last year?

☐ Walk (or wheelchair) (1) _____

☐ E-bike (2) _____

☐ Bike (3) _____

☐ E-scooter (4) _____

☐ E-skateboard (5) _____

☐ Skates, conventional skateboard, or kick scooter (6)

Display this question:

If If safety_number Text Response Is Greater Than 0

Or Or safety_number Text Response Is Greater Than 0

Or Or safety_number Text Response Is Greater Than 0

Or Or safety_number Text Response Is Greater Than 0

Or Or safety_number Text Response Is Greater Than 0

Or Or safety_number Text Response Is Greater Than 0

Q10.2 Thinking back your **most recent** fall or crash for each mode, how severe was the injury?

Display this choice:

If If How many falls or crashes have you experienced while using the following modes to get to, from, a...
Text Response Is Greater Than 0

Display this choice:

If If How many falls or crashes have you experienced while using the following modes to get to, from, a...
Text Response Is Greater Than 0

Display this choice:

If If How many falls or crashes have you experienced while using the following modes to get to, from, a...
Text Response Is Greater Than 0

Display this choice:

If If How many falls or crashes have you experienced while using the following modes to get to, from, a...
Text Response Is Greater Than 0

Display this choice:

If If How many falls or crashes have you experienced while using the following modes to get to, from, a...
Text Response Is Greater Than 0

Display this choice:

If If How many falls or crashes have you experienced while using the following modes to get to, from, a...
Text Response Is Greater Than 0

	No apparent injury (1)	Minor or possible injury (2)	Severe injury (3)
<i>Display this choice:</i> <i>If If How many falls or crashes have you experienced while using the following modes to get to, from, a... Text Response Is Greater Than 0</i> Walk (or wheelchair) (1)	☐	☐	☐
<i>Display this choice:</i> <i>If If How many falls or crashes have you experienced while using the following modes to get to, from, a... Text Response Is Greater Than 0</i> E-bike (2)	☐	☐	☐
<i>Display this choice:</i> <i>If If How many falls or crashes have you experienced while using the following modes to get to, from, a... Text Response Is Greater Than 0</i> Bike (3)	☐	☐	☐
<i>Display this choice:</i> <i>If If How many falls or crashes have you experienced while using the following modes to get to, from, a... Text Response Is Greater Than 0</i> E-scooter (4)	☐	☐	☐

Display this choice:

If If How many falls
or crashes have you
experienced while using
the following modes to
get to, from, a... Text
Response Is Greater
Than 0

E-skateboard (5)

Display this choice:

If If How many falls
or crashes have you
experienced while using
the following modes to
get to, from, a... Text
Response Is Greater
Than 0

Skates, conventional
skateboard, or kick
scooter (6)



Page Break

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.3 Thinking back your **most recent** fall or crash while **walking or using a wheelchair**, what type of fall or crash was it?

- ☐ A slip or swerve resulting in a fall (1)
- ☐ Collision with an object (curb, tree, pole, bollard etc.) or animal (2)
- ☐ Collision with a pedestrian (3)
- ☐ Collision with a bicyclist (4)
- ☐ Collision with an e-bicyclist (5)
- ☐ Collision with an e-scooter rider (6)
- ☐ Collision with someone on skates, skateboard, or scooter (7)
- ☐ Collision with an e-skateboard rider (8)
- ☐ Collision with a motor vehicle (9)
- ☐ Other or unsure (10)

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.4 Where was your **most recent** fall or crash while **walking or using a wheelchair**?
Please place a pin for the location.

Page Break

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.5 Thinking back your **most recent** fall or crash while using your **e-bike**, what type of fall or crash was it?

- ☐ A slip or swerve resulting in a fall (1)
- ☐ Collision with an object (curb, tree, pole, bollard etc.) or animal (2)
- ☐ Collision with a pedestrian (4)
- ☐ Collision with a bicyclist (3)
- ☐ Collision with an e-bicyclist (8)
- ☐ Collision with an e-scooter rider (9)
- ☐ Collision with someone on skates, skateboard, or scooter (7)
- ☐ Collision with an e-skateboard rider (10)
- ☐ Collision with a motor vehicle (5)
- ☐ Other or unsure (11)

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.6 Where was your **most recent** fall or crash while using your **e-bike**? Please place a pin for the location.

Page Break

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.7 Thinking back to your **most recent** fall or crash while using your **bike**, what type of fall or crash was it?

- ☐ A slip or swerve resulting in a fall (8)
- ☐ Collision with an object (curb, tree, pole, bollard etc.) or animal (9)
- ☐ Collision with a pedestrian (12)
- ☐ Collision with a bicyclist (10)
- ☐ Collision with an e-bicyclist (14)
- ☐ Collision with an e-scooter rider (15)
- ☐ Collision with someone on skates, skateboard, or scooter (11)
- ☐ Collision with an e-skateboard rider (16)
- ☐ Collision with a motor vehicle (13)
- ☐ Other or unsure (17)

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.8 Where was your **most recent** fall or crash while using your **bike**? Please place a pin for the location.

Page Break

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.9 Thinking back to your **most recent** fall or crash while using your **e-scooter**, what type of fall or crash was it?

- ☐ A slip or swerve resulting in a fall (8)
- ☐ Collision with an object (curb, tree, pole, bollard etc.) or animal (9)
- ☐ Collision with a pedestrian (12)
- ☐ Collision with a bicyclist (10)
- ☐ Collision with an e-bicyclist (15)
- ☐ Collision with an e-scooter rider (11)
- ☐ Collision with someone on skates, skateboard, or scooter (14)
- ☐ Collision with an e-skateboard rider (16)
- ☐ Collision with a motor vehicle (13)
- ☐ Other or unsure (17)

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.10 Where was your **most recent** fall or crash while using your **e-scooter**? Please place a pin for the location.

Page Break

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.11 Thinking back to your **most recent** fall or crash while using your **e-skateboard**, what type of fall or crash was it?

- ☐ A slip or swerve resulting in a fall (8)
- ☐ Collision with an object (curb, tree, pole, bollard etc.) or animal (9)
- ☐ Collision with a pedestrian (12)
- ☐ Collision with a bicyclist (10)
- ☐ Collision with an e-bicyclist (14)
- ☐ Collision with an e-scooter rider (15)
- ☐ Collision with someone on skates, skateboard, or scooter (11)
- ☐ Collision with an e-skateboard rider (16)
- ☐ Collision with a motor vehicle (13)
- ☐ Other or unsure (17)

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.12 Where was your **most recent** fall or crash while using your **e-skateboard**? Please place a pin for the location.

Page Break

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.13 Thinking back to your **most recent** fall or crash while using your **skates, conventional skateboard, or kick scooter**, what type of fall or crash was it?

- ☐ A slip or swerve resulting in a fall (8)
- ☐ Collision with an object (curb, tree, pole, bollard etc.) or animal (9)
- ☐ Collision with a pedestrian (12)
- ☐ Collision with a bicyclist (10)
- ☐ Collision with an e-bicyclist (14)
- ☐ Collision with an e-scooter rider (15)
- ☐ Collision with someone on skates, skateboard, or scooter (11)
- ☐ Collision with an e-skateboard rider (16)
- ☐ Collision with a motor vehicle (13)
- ☐ Other or unsure (17)

Display this question:

If If safety_number Text Response Is Greater Than 0



Q10.14 Where was your **most recent** fall or crash while using your **skates, conventional skateboard, or kick scooter**? Please place a pin for the location.

End of Block: 10 Safety Add On

Start of Block: 11 Bike Theft Add On



Q11.1 The next set of questions are about bicycle theft or vandalism on the UC Davis campus during the last academic year, from the beginning of Fall Quarter 2023 through the end of Summer Session 2024. Were you the victim of bicycle theft or vandalism on the UC Davis campus during this period? If you experienced multiple incidents of bike theft or vandalism on campus in the past year, please describe your most recent incident.

- ☐ Yes, my entire bike was stolen (1)
- ☐ Yes, but only parts of my bike were stolen (seat, wheel, accessories) (2)
- ☐ My bike was vandalized (damaged but not stolen) (3)
- ☐ No, I had a bike on campus in the past year but did not experience a theft or vandalism (4)

Display this question:

If Q11.1 = 1



Q11.2 What was your bike locked to when it was stolen?

- ☐ A bike rack (1)
- ☐ A pole, railing, tree, or other fixed object (2)
- ☐ To itself only (3)
- ☐ It was not locked (4)

Display this question:

If Q11.1 = 1

And Q11.2 != 4



Q11.3 What type of lock were you using as your primary security measure at the time your bike was stolen? Check all that apply.

- ☐ A cable lock (1)
 - ☐ A chain lock (2)
 - ☐ A U-lock (3)
 - ☐ Another type of lock: (4)
-

Display this question:

If Q11.1 = 1

Or Q11.1 = 2

Or Q11.1 = 3

Q11.4 Did you notify the authorities (Police, Fire, or TS) of the theft or vandalism?

☐ Yes (1)

☐ No (2)

☐ Not sure (3)

Page Break

Display this question:

If Q11.1 = 1

JS

Q11.5 Where was your bike stolen? Please place a pin for the location.

End of Block: 11 Bike Theft Add On

Start of Block: 12 Campus transportation programs

X→

Q12.1 Transportation Services offers a wide variety of programs for people traveling to campus. Have you used or have you heard of any of the following campus programs?

	I've used it (1)	I've heard of it, but never used it (2)	I've never heard of it (3)
Aggie Bike Buy at the Bike Barn (2)	☐	☐	☐
Transportation Services Motorist Assistance (lock out, jump-starts, etc.) (8)	☐	☐	☐
Transportation Services Mobility Assistance Shuttle (11)	☐	☐	☐
ParkMobile/AggiePark/Amp Park (10)	☐	☐	☐
Zipcar Carshare at UC Davis (5)	☐	☐	☐
Yolobus/SacRT Route 138 - Causeway Connection (3)	☐	☐	☐
Bike Program Lock-Cutting Service (4)	☐	☐	☐
Bike Registration via Bike Index (7)	☐	☐	☐
Helmet Hair, Don't Care (9)	☐	☐	☐
Bike Theft Reporting via UC Davis Police (14)	☐	☐	☐
The Transportation and Parking Administrative Advisory Committee (TPAAC) (12)	☐	☐	☐
Lit Not Hit (16)	☐	☐	☐
SPIN bike-share and scooter-share service (17)	☐	☐	☐

End of Block: 12 Campus transportation programs

Start of Block: 13 Housing

Q13.1 The next set of questions will help the university get a better sense of housing conditions and affordability for UC Davis students and employees. We'll ask you about your residence, living expenses, and financial resources. Your responses are entirely confidential.

Display this question:

If Q3.10 = 3

And Q3.10 = 4

Q13.2 Are there any spaces in your residence that weren't built as bedrooms (with walls and door) but are used as sleeping areas for residents? (e.g. living room, converted garage)

☐ Yes (1)

☐ No (2)

☐ Not sure (4)

Page Break



Q13.3 How satisfied are you with your current residence and its location?

	Very Unsatisfied (1)	Somewhat Unsatisfied (2)	Neutral (5)	Somewhat Satisfied (6)	Very Satisfied (7)
Characteristics of the residence itself (1)	☐	☐	☐	☐	☐
Location of your residence within your neighborhood (2)	☐	☐	☐	☐	☐
Characteristics of the neighborhood itself (3)	☐	☐	☐	☐	☐
Location of your city in the region (5)	☐	☐	☐	☐	☐

Page Break



Q13.4 If an unexpected \$400 expense came up, how would you pay for it?

- ☐ I wouldn't be able to (1)
- ☐ I'd pay with money in my checking or savings account (2)
- ☐ I'd borrow from family or friends and pay them back (4)
- ☐ Family or friends would pay it for me (6)
- ☐ I'd pay with a credit card and repay later (7)
- ☐ Other: (8) _____

Page Break

Display this question:

If Q3.10 = 4

Q13.5 You mentioned that you live outside of Davis. Would you prefer to live in Davis?

- ☐ Yes (1)
- ☐ Maybe (4)
- ☐ No (2)

Page Break

Display this question:

If $Q3.10 = 4$



Q13.6 Which factors influenced your decision to live outside of Davis? Select all that apply.

- ☐ Cost of housing (1)
 - ☐ Commute time for another person in my household (3)
 - ☐ Public transportation access (4)
 - ☐ Availability of housing (14)
 - ☐ Housing options or choice (5)
 - ☐ Proximity to family or friends (19)
 - ☐ Proximity to shops, restaurants, services, etc. (7)
 - ☐ Variety or quality of shops, restaurants, services, etc. (16)
 - ☐ Safe neighborhoods (20)
 - ☐ School choice (9)
 - ☐ Proximity to parks or nature (10)
 - ☐ Walkable or bikeable neighborhoods (11)
 - ☐ Ease of driving places (12)
 - ☐ Quiet neighborhoods (13)
-

Display this question:

If Q3.10 = 4

And And housing_od_factors q://QID455/SelectedChoicesCount Is Greater Than 0

Carry Forward Selected Choices from "Q13.6"



Q13.7 Of all the factors that influenced your decision to live outside of Davis, please rank the importance of each:

	Not at all important (6)	Slightly important (7)	Moderately important (8)	Very important (9)	Extremely important (10)
Cost of housing (x1)	☐	☐	☐	☐	☐
Commute time for another person in my household (x3)	☐	☐	☐	☐	☐
Public transportation access (x4)	☐	☐	☐	☐	☐
Availability of housing (x14)	☐	☐	☐	☐	☐
Housing options or choice (x5)	☐	☐	☐	☐	☐
Proximity to family or friends (x19)	☐	☐	☐	☐	☐
Proximity to shops, restaurants, services, etc. (x7)	☐	☐	☐	☐	☐
Variety or quality of shops, restaurants, services, etc. (x16)	☐	☐	☐	☐	☐
Safe neighborhoods (x20)	☐	☐	☐	☐	☐
School choice (x9)	☐	☐	☐	☐	☐
Proximity to parks or nature (x10)	☐	☐	☐	☐	☐

Walkable or bikeable neighborhoods (x11)	☐	☐	☐	☐	☐
Ease of driving places (x12)	☐	☐	☐	☐	☐
Quiet neighborhoods (x13)	☐	☐	☐	☐	☐



Q13.8 Within the last 12 months, did you do any of the following? Select all that apply.

- ☐ Did not pay the full amount of rent or mortgage (1)
- ☐ Did not pay the full amount of utilities (2)
- ☐ Moved 2 or more times (3)
- ☐ Doubled up in a bedroom (without a lease agreement for the room) (4)
- ☐ Moved in with other people due to financial problems (5)
- ☐ Moved because of raised rent or mortgage (10)
- ☐ Regularly skipped meals to pay for living expenses (7)
- ☒ None of these happened to me (9)

Page Break



Q13.9 Within the last 12 months, did any of the following happen to you? Select all that apply.

- ☐ Kicked out of residence by family or housemates (1)
- ☐ Legally evicted (2)
- ☐ Stayed in a shelter (3)
- ☐ Stayed in an auto, campus building, or another public building (4)
- ☐ Did not know where I was going to sleep for one or more nights (5)
- ☐ Stayed temporarily with a friend or acquaintance while looking for housing ("couch surfed") (6)
- ☐ Did not have a home (7)
- ☐ Slept outside (non-recreationally) (9)
- ☒ None of these happened to me (10)

Page Break



Q13.10 Do you experience any of the following as problems or deficiencies in your current housing? Select all that apply.

- ☐ Expensive rent/mortgage (1)
- ☐ No in-unit kitchen (2)
- ☐ No in-unit washer and dryer (3)
- ☐ Difficult to find parking (4)
- ☐ Unaddressed pest issues (e.g. mold, bugs) (5)
- ☐ Unaddressed maintenance issues (e.g. broken heat, plumbing, electrical) (6)
- ☐ Poor treatment by landlord/leasing company (7)
- ☐ Poor lease terms (8)
- ☐ Neighborhood concerns (e.g. noise, crime, safety) (9)
- ☐ Safety concerns with structure (10)
- ☐ Overcrowding or sharing bedrooms (11)
- ☐ Too far from campus (12)
- ☐ Too far from amenities (e.g. shopping, entertainment) (13)
- ☐ No pets allowed (14)
- ☐ Overly restrictive rules (15)

- ☐ Poor access to transit (16)
- ☐ Too far from public schools (17)
- ☐ Too far from parks and green spaces (18)
- ☐ Could not choose my housemates/roommates (19)
- ☐ Conflict with housemates/roommates (20)
- ☐ ☒ I experience none of these (22)

End of Block: 13 Housing

Start of Block: 14 Attitudes



Q14.1 Thanks for staying with us! We'd like to ask about your opinions with respect to transportation. There are no right or wrong answers; we want only your true opinions. To what extent do you agree or disagree with the following statements?

	Strongly disagree (1)	Somewhat disagree (2)	Neither agree nor disagree (3)	Somewhat agree (4)	Strongly agree (5)
Traveling to campus stresses me out. (Q53_19)	☐	☐	☐	☐	☐
I like riding a bike. (Q53_2)	☐	☐	☐	☐	☐
I feel safe traveling to campus. (Q93_36)	☐	☐	☐	☐	☐
I feel safe walking or using a wheelchair on campus. (Q53_12)	☐	☐	☐	☐	☐
I feel safe biking on campus. (Q53_10)	☐	☐	☐	☐	☐
My commute is expensive. (Q53_35)	☐	☐	☐	☐	☐

Page Break

Display this question:

If If usual_bus Unitrans Is Selected

And If

Q14.1 = 19 [5]

Or Q14.1 = 19 [4]



Q14.2 What do you find most stressful about using Unitrans to get to campus?

- ☐ Uncertainty about my bus picking me up on time (1)
- ☐ Uncertainty about my bus arriving to campus on time (2)
- ☐ How full the bus will be when it gets to my stop (3)
- ☐ Harassment while riding the bus (4)
- ☐ Lack of knowledge about bus schedules or routes (7)
- ☐ Paying the fare / Showing my pass (9)
- ☐ Other: (6) _____

Display this question:

If If usual_bus Unitrans Is Selected



Q14.3 When deciding whether to use Unitrans, what are the **3** most important factors to you?

- ☐ My bus picking me up at its scheduled time (1)
- ☐ My bus arriving to campus on time (5)
- ☐ Having enough space on the bus when it gets to my stop (2)
- ☐ Not being harassed on the bus (3)
- ☐ Buses running frequently enough that I don't have to know the schedule (4)
- ☐ Bus stops near my home and where I need to go (7)
- ☐ Convenience of paying the fare (9)
- ☐ Being able to sit down on the bus (10)
- ☐ Ability to work on the bus (11)
- ☐ Other: (8) _____

Page Break



Q14.4 How would you **rate your ability** to ride a bike? In particular, we are interested in **whether you know how to ride a bike**, regardless of whether it is practical or desirable for you to do so as a means of transportation to campus.

- ☐ I cannot ride a bike at all because I do not know how (1)
 - ☐ I can ride a bike, but I am not very confident doing so (2)
 - ☐ I am somewhat confident riding a bike (3)
 - ☐ I am very confident riding a bike (4)
-



Q14.5 In general, how comfortable would you be riding a bike on a **four-lane street (two lanes in either direction) without a bicycle lane**, in daylight and good weather?

- ☐ Uncomfortable and I wouldn't ride on it (1)
- ☐ Uncomfortable but I would ride on it (2)
- ☐ Comfortable (3)

End of Block: 14 Attitudes

Start of Block: 15 SPIN Add On



Q15.1 Have you heard about or used the SPIN service in Davis?

- ☐ I have not heard about it (1)
- ☐ I have heard about it, but I do not have the app (2)
- ☐ I have the app, but I have not used it (4)
- ☐ I have used it (5)

Display this question:

If Q15.1 = 4



Q15.2 Why have you not yet used SPIN in Davis? Check all that apply.

- ☐ I have my own bike, e-bike, or e-scooter (1)
- ☐ I do not know how to ride a bike, e-bike, or e-scooter (2)
- ☐ I do not feel comfortable riding a bike, e-bike, or e-scooter (3)
- ☐ SPIN is too expensive (4)
- ☐ SPIN bikes or scooters are not available when and where I need them (5)
- ☐ Other: (6) _____

Display this question:

If Q15.1 = 2



Q15.3 Why have you not downloaded the SPIN app? Check all that apply.

- ☐ I do not plan to (1)
- ☐ I have not gotten around to it (2)
- ☐ I am not sure how to (3)
- ☐ I do not have a smartphone (4)
- ☐ I have my own bike, e-bike, or e-scooter (5)
- ☐ I do not know how to ride a bike, e-bike, or e-scooter (6)
- ☐ I do not feel comfortable riding a bike, e-bike, or e-scooter (7)
- ☐ SPIN is too expensive (8)
- ☐ SPIN bikes or scooters are not available when and where I need them (9)
- ☐ Other: (10) _____

Display this question:

If Q15.1 = 5



Q15.4 What rate do you pay when using SPIN in Davis?

- ☐ Pay as you go (1)
- ☐ Reduced fare (SPIN Access) (2)
- ☐ SPIN pass (3 Day Unlock Pass, Monthly Unlock Pass, 60 Minute Pass) (3)
- ☐ Davis Commuter pass (4)
- ☐ I am not sure (5)

Display this question:

If Q15.1 = 5



Q15.5 Which of the following SPIN devices have you used in Davis?

- ☐ Only e-bikes (1)
- ☐ Only e-scooters (2)
- ☐ Both e-bikes and e-scooters (3)

Display this question:

If Q15.1 = 5



Q15.6 How have you used SPIN in Davis? Check all that apply.

- ☐ To travel between home and campus (1)
- ☐ To travel to and from other locations off campus (3)
- ☐ To travel to and from the train station (4)
- ☐ To get around campus (2)
- ☐ To travel to and from a bus stop (5)
- ☐ Just for fun or exercise (6)

Display this question:

If Q15.1 = 5



Q15.7 In the last seven days, how many times did you use SPIN in Davis?

☐ 0 (1)

☐ 1 - 4 (2)

☐ 5 - 9 (3)

☐ 10 - 14 (4)

☐ 15 - 19 (5)

☐ 20 - 24 (6)

☐ 25 + (7)

Page Break

Q15.8 In the next 3 questions, we would like you to select the option that best describes what you would choose to do if SPIN had the following pricing options in Davis.

Page Break



Q15.9 If SPIN had the following price plans, which would you choose?

- ☐ **Pay as you go** \$1 unlock fee + \$0.32 per minute (1)
- ☐ **Flat rate** \$2.75 per trip Up to 15 minutes of ride time per trip (2)
- ☐ **Davis Commuter Pass** \$60 600 minutes of ride time for the next 90 days (3)
- ☐ **Monthly Subscription** \$35 30 minutes of ride time per day for the next 30 days (4)
- ☐ **Quarterly Subscription** \$105 30 minutes of ride time per day for the next 90 days (7)
- ☐ None, I do not want any of these (6)

End of Block: 15 SPIN Add On

Start of Block: 16 SPIN Pricing 5 Fl Mh Qh Add On



Q16.1 If SPIN had the following price plans, which would you choose?

- ☐ **Pay as you go** \$1 unlock fee + \$0.32 per minute (1)
- ☐ **Flat rate** \$1.50 per trip Up to 15 minutes of ride time per trip (2)
- ☐ **Davis Commuter Pass** \$60 600 minutes of ride time for the next 90 days (3)
- ☐ **Monthly Subscription** \$60 30 minutes of ride time per day for the next 30 days (4)
- ☐ **Quarterly Subscription** \$180 30 minutes of ride time per day for the next 90 days (7)
- ☐ None, I do not want any of these (6)

End of Block: 16 SPIN Pricing 5 Fl Mh Qh Add On

Start of Block: 17 SPIN Pricing 6 Fl Mm Qm Add On



Q17.1 If SPIN had the following price plans, which would you choose?

- ☐ **Pay as you go** \$1 unlock fee + \$0.32 per minute (1)
- ☐ **Flat rate** \$1.50 per trip Up to 15 minutes of ride time per trip (2)
- ☐ **Davis Commuter Pass** \$60 600 minutes of ride time for the next 90 days (3)
- ☐ **Monthly Subscription** \$35 30 minutes of ride time per day for the next 30 days (4)
- ☐ **Quarterly Subscription** \$105 30 minutes of ride time per day for the next 90 days (7)
- ☐ None, I do not want any of these (6)

End of Block: 17 SPIN Pricing 6 Fl Mm Qm Add On

Start of Block: 18 SPIN Pricing 7 Fl Ml Ql Add On



Q18.1 If SPIN had the following price plans, which would you choose?

- ☐ **Pay as you go** \$1 unlock fee + \$0.32 per minute (1)
- ☐ **Flat rate** \$1.50 per trip Up to 15 minutes of ride time per trip (2)
- ☐ **Davis Commuter Pass** \$60 600 minutes of ride time for the next 90 days (3)
- ☐ **Monthly Subscription** \$10 30 minutes of ride time per day for the next 30 days (4)
- ☐ **Quarterly Subscription** \$30 30 minutes of ride time per day for the next 90 days (7)
- ☐ None, I do not want any of these (6)

End of Block: 18 SPIN Pricing 7 Fl Ml Ql Add On

Start of Block: 19 SPIN Pricing 8 Fm Ml Ql Add On



Q19.1 If SPIN had the following price plans, which would you choose?

- ☐ **Pay as you go** \$1 unlock fee + \$0.32 per minute (1)
- ☐ **Flat rate** \$2.75 per trip Up to 15 minutes of ride time per trip (2)
- ☐ **Davis Commuter Pass** \$60 600 minutes of ride time for the next 90 days (3)
- ☐ **Monthly Subscription** \$10 30 minutes of ride time per day for the next 30 days (4)
- ☐ **Quarterly Subscription** \$30 30 minutes of ride time per day for the next 90 days (7)
- ☐ None, I do not want any of these (6)

End of Block: 19 SPIN Pricing 8 Fm Ml Ql Add On

Start of Block: 20 SPIN Pricing 9 Fh Ml Ql Add On



Q20.1 If SPIN had the following price plans, which would you choose?

- ☐ **Pay as you go** \$1 unlock fee + \$0.32 per minute (1)
- ☐ **Flat rate** \$4 per trip Up to 15 minutes of ride time per trip (2)
- ☐ **Davis Commuter Pass** \$60 600 minutes of ride time for the next 90 days (3)
- ☐ **Monthly Subscription** \$10 30 minutes of ride time per day for the next 30 days (4)
- ☐ **Quarterly Subscription** \$30 30 minutes of ride time per day for the next 90 days (7)
- ☐ None, I do not want any of these (6)

End of Block: 20 SPIN Pricing 9 Fh Ml Ql Add On

Start of Block: 21 SPIN Pricing 4 Fm Mh Qh Add On



Q21.1 If SPIN had the following price plans, which would you choose?

- ☐ **Pay as you go** \$1 unlock fee + \$0.32 per minute (1)
- ☐ **Flat rate** \$2.75 per trip Up to 15 minutes of ride time per trip (2)
- ☐ **Davis Commuter Pass** \$60 600 minutes of ride time for the next 90 days (3)
- ☐ **Monthly Subscription** \$60 30 minutes of ride time per day for the next 30 days (4)
- ☐ **Quarterly Subscription** \$180 30 minutes of ride time per day for the next 90 days (7)
- ☐ None, I do not want any of these (6)

End of Block: 21 SPIN Pricing 4 Fm Mh Qh Add On

Start of Block: 22 SPIN Pricing 3 Fh Mh Qh Add On



Q22.1 If SPIN had the following price plans, which would you choose?

- ☐ **Pay as you go** \$1 unlock fee + \$0.32 per minute (1)
- ☐ **Flat rate** \$4 per trip Up to 15 minutes of ride time per trip (2)
- ☐ **Davis Commuter Pass** \$60 600 minutes of ride time for the next 90 days (3)
- ☐ **Monthly Subscription** \$60 30 minutes of ride time per day for the next 30 days (4)
- ☐ **Quarterly Subscription** \$180 30 minutes of ride time per day for the next 90 days (7)
- ☐ None, I do not want any of these (6)

End of Block: 22 SPIN Pricing 3 Fh Mh Qh Add On

Start of Block: 23 SPIN Pricing 2 Fh Mm Qm Add On



Q23.1 If SPIN had the following price plans, which would you choose?

- ☐ **Pay as you go** \$1 unlock fee + \$0.32 per minute (1)
- ☐ **Flat rate** \$4 per trip Up to 15 minutes of ride time per trip (2)
- ☐ **Davis Commuter Pass** \$60 600 minutes of ride time for the next 90 days (3)
- ☐ **Monthly Subscription** \$35 30 minutes of ride time per day for the next 30 days (4)
- ☐ **Quarterly Subscription** \$105 30 minutes of ride time per day for the next 90 days (7)
- ☐ None, I do not want any of these (6)

Start of Block: 24 Demographics

Q24.1 A few more questions about yourself. We use this information to help understand travel choices and how the people taking the survey might represent the UC Davis community as a whole. Your answers are confidential and will not be used for any other purposes. In what year were you born?

▼ 1921 (3) ... 2024 (121)

Display this question:

If Q2.1 = 4



Q24.2 What is your highest level of education completed?

- ☐ No formal education (1)
- ☐ Grade school or junior high school (2)
- ☐ High school diploma or equivalent (3)
- ☐ Associates degree or technical school certificate (4)
- ☐ Four-year bachelor's degree (5)
- ☐ Graduate degree(s) (6)



Q24.3 Which categories describe you? Select all that apply.

- ☐ American Indian or Alaska Native (1)
 - ☐ Asian (2)
 - ☐ Black or African American (3)
 - ☐ Hispanic, Latino, or Spanish origin (4)
 - ☐ Middle Easterner or North African (5)
 - ☐ Native Hawaiian or other Pacific Islander (6)
 - ☐ White (8)
 - ☐ A race, ethnicity, or origin that is not listed (7)
-
- ☐ ☒ Prefer not to answer (10)

Display this question:

If Q2.1 = 11

Or Q2.1 = 12

Or Q2.1 = 13

Or Q2.1 = 1

Or Q2.1 = 2

Or Q2.1 = 5

And If

Q3.4 = 6



Q24.4 You indicated that you have access to a car. Do you receive financial support from family or other individuals for driving-related expenses such as gas, insurance, and vehicle maintenance?

- ☐ No - None at all (1)
- ☐ Yes - For some things (2)
- ☐ Yes - For most things (3)
- ☐ Yes - For everything (4)

End of Block: 24 Demographics

Start of Block: 25 Prize Opt-In

Q25.1 Please let us know if we may contact you in the future for the following purposes. We will only contact you for the purposes you've approved below. As mentioned at the start of the survey, we are offering a chance to win forty \$50 CoHo or UC Davis Bookstore gift cards for survey respondents who wish to enter our drawing. We would need your name and email address in order to participate in the drawing. Would you like to enter your name in our drawing?

- ☐ Yes (1)
 - ☐ No (2)
-

Q25.2 May we contact you should we have any questions regarding your survey responses?

☐ Yes (2)

☐ No (1)

Display this question:

If Q25.1 = 1

Or Q25.2 = 2



Q25.3 Please provide the following contact information. This information will ONLY be used for the purposes you specified.

☐ Name (1) _____

☐ Your UC Davis email address (2)

Q25.4 Optional: Is there anything else you would like to tell us about transportation at UC Davis? We welcome any additional comments in the space below.

End of Block: 25 Prize Opt-In
