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How different textual genres affect eye tracking patterns in fluent readers of Brazilian Portuguese: a work in progress

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Abstract

Despite advances in reading research in opaque orthographies, oculomotor data for Brazilian Portuguese (BP) remain scarce, particularly among adults with diverse educational backgrounds. This study investigates text genre effects on reading patterns and cognitive processing in BP. As part of the international MultipleEYE protocol, eye-movement data are collected from 100 participants during the reading of seven text genres (e.g., scientific articles, blogs) using EyeLink 1000 technology. Metrics, including fixation number, duration, and regressive saccades, are analyzed to assess the impact of syntactic complexity and informational density on processing across genres. Results aim to fill a gap in linguistic and educational variability by contributing a multi-genre oculomotor corpus for BP. Cross-linguistic comparisons with other languages in the MultipleEYE project will enable matched analyses, integrating Brazilian Portuguese into global models of reading and language-related cognitive processes.