

RESEARCH THEME

XLII Cycle – a.y. 2026/2027

Title of the doctoral research	Data Visualization for Information Literacy
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Abstract

In today's digital society, data is everywhere. Whether for everyday needs or leisure, we constantly generate and consume it across platforms and media. Traditionally, data visualization and information design have been essential tools for making complex information more accessible. However, the rapid rise of large language models and AI technologies suggests a future in which access to information may become increasingly mediated, distilled, and pre-processed by these systems.

This shift raises important questions about how we understand and evaluate information in its visual and technological forms. It also calls for a reconsideration of the role of data visualization.

This PhD research will explore how data visualization can be repurposed to promote critical thinking and strengthen information literacy among non-expert audiences, particularly through public-facing formats such as exhibitions and everyday media. Key questions include: How can we design visualizations that encourage critical thinking? What makes a visualization trustworthy and understandable for lay audiences? How can we measure the impact of visualizations on information literacy?

The project combines design practice and research to develop and evaluate visual strategies. Candidates should have a strong interest in information design, including graphic design, data curation, and digital transformation.

Keywords

Data Visualization, Information Literacy, Information Design