Elsa Bidant

Third-year student in Data Science applied to the study of Arts and Cultures

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Nationality: French

EDUCATION

Since September 2023	**Bachelor's degree in *Data Science, Arts and Cultures* at Lycée Louis-le-Grand and Université PSL, Paris** Multidisciplinary Higher Education Programme Formal sciences: Algorithms, Analysis, Algebra, Statistics, Programming, NLP Humanities: World History, Art History, Literature, Contemporary Cultures in English, Linguistics, Economy of the art market, Sociology, Languages
June 2023	**Baccalaureate with highest honours and the congratulations of the jury at Marcq-Institution, Marcq-en-Baroeul** Specialisations in mathematics, physics and chemistry, economics and social sciences, advanced mathematics option
September 2020-June 2023	**High school at Marcq-Institution, Marcq-en-Baroeul** General secondary education with specialisations in mathematics, physics and chemistry, and economics and social sciences in première, then specialisations in mathematics and physics and chemistry with the advanced mathematics option in terminale. European section in Spanish.

PROFESSIONAL EXPERIENCES

Since January 2025	**Research internship at the Ecole Normale Supérieure, Paris** Mission: to understand the interactions between cognitive mechanisms and smoking cessation in anti-tobacco advertisements.
Since March 2023	**Tutoring, service provider for Alveus, Paris** Responsibilities: Preparing lessons and exercises to help pupils experiencing academic difficulties, covering all subjects from Year 7 to Year 10.

PROJECTS

Since September 2025	**Anticipation accuracy in science-fiction movies** – Research project (supervised by Edgar Dubourg) • Problem: Assess whether science-fiction movies that more accurately anticipate future real-world developments are culturally successful. • Method: Build a dataset of sci-fi films using a LLM to extract factual statements about the film's depicted world and score their truth at release vs today to compute a film-level anticipation accuracy index; run multivariate linear regressions to test our hypothesis. • In progress: full article will be written and submitted for publication by January 2026.
May 2025	**Rap and Poetry** – Data analysis project • Problem: Assess whether rap lyrics contain as many, and as sophisticated, figures of speech as traditional poetry. • Method: Build a dataset using automatic online collection, use a LLM to extract rhetorical figures, compute a weighted sophistication score, visualize distributions, and run multivariate linear regressions to test differences and report findings in written and oral formats.

LANGUAGE SKILLS

- French: Native language
- English: C1, fluent (academic and professional contexts)
- Spanish: B2, fluent

PERSONAL INTERESTS

- Drawing
- Reading
- Museum