

Elsa Bidant

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

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EDUCATION

Since September 2023	Bachelor's degree in <i>Data Science, Arts and Cultures</i> Multidisciplinary Higher Education Programme – Paris Sciences et Lettres University, Lycée Louis-le-Grand Formal sciences: Algorithms, Analysis, Algebra, Statistics, Programming Humanities: World History, Art History, Literature, Contemporary Cultures in English, Languages
2023	Baccalaureate with honours and the congratulations of the jury Specialisations in mathematics, physics and chemistry, economics and social sciences, advanced mathematics option

SKILLS

Programming Python (Numpy, Pandas, Statmodels, Matplotlib, Seaborn), SPARQL, Markdown	Scientific approach Review of scientific literature, problematisation, predictions, hypothesis testing
Data collection Survey construction, manual annotation, automatic online collection	Software applications Word, Excel, PowerPoint
Data analysis Manipulations, descriptive and predictive statistics, graphical representations, linear and logistic regressions, GLM, interaction and random effects	Languages French – Mother tongue English – Cambridge Advanced level C1 Spanish – Level B2

PROJECTS

May 2025	Rap and Poetry – Data Analysis Project <ul style="list-style-type: none">• 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.
Mai 2024	Interest Rates and Housing Market – Data Analysis Project <ul style="list-style-type: none">• Problem: Investigate the link between home purchase prices and long-term interest rates.• Method: Define a research question, pre-register predictions, collect data, create graphical descriptions, run modeling, and deliver findings in written and oral formats.

EXPERIENCES

January to June 2025	Research internship at the Ecole Nationale Supérieure Mission: to understand the interactions between cognitive mechanisms and smoking cessation in anti-tobacco advertisements
Since March 2023	Tutoring <ul style="list-style-type: none">• Company: Alveus• Responsibilities: Preparing lessons and exercises to help pupils experiencing academic difficulties, covering all subjects from Year 7 to Year 10

PERSONAL INTERESTS

- Drawing
- Reading
- Museum