

# Elsa Bidant

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Paris, 75005

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

## EDUCATION

Since September 2023	<b>Bachelor's degree in <i>Data Science, Arts and Cultures</i></b> 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	<b>Baccalaureate with honours and the congratulations of the jury</b> Specialisations in mathematics, physics and chemistry, economics and social sciences, advanced mathematics option

## SKILLS

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

## PROJECTS

May 2025	<b>Rap and Poetry</b> – Data Analysis Project <ul style="list-style-type: none"><li>• Problem: Assess whether rap lyrics contain as many, and as sophisticated, figures of speech as traditional poetry.</li><li>• 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.</li></ul>
Mai 2024	<b>Interest Rates and Housing Market</b> – Data Analysis Project <ul style="list-style-type: none"><li>• Problem: Investigate the link between home purchase prices and long-term interest rates.</li><li>• Method: Define a research question, pre-register predictions, collect data, create graphical descriptions, run modeling, and deliver findings in written and oral formats.</li></ul>

## EXPERIENCES

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

## PERSONAL INTERESTS

- Drawing
- Reading
- Museum