

# Anne-Flore Cabouat

 **PH.D. STUDENT**  
 **DATA VISUALIZATION  
& COGNITION**

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## Education

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- 2022 – 2024    **UNIVERSITÉ PARIS CITÉ, LEARNING PLANET INSITUTE**, Paris.  
**Master AIRE – Learning sciences track.** *AIRE: Approches Interdisciplinaires de la Recherche et de l'Éducation (Interdisciplinary Approaches in Research and Education).*  
Program curriculum: Learning theories, cognitive & developmental psychology, research methodology, AI & digital tools for education, educational program design.
- 2006 – 2008    **ÉCOLE SUPÉRIEURE D'ART ET DE DESIGN**, Amiens.  
**Bachelor of Fine Arts (DNAP) - Graphic design**
- 2003 – 2006    **ÉCOLE SUPÉRIEURE D'ART ET DE DESIGN**, Reims.  
**Initial cycle - Object design**
- 2002    **LYCÉE VAN GOGH**, Ermont.  
**Baccalauréat Série S - Option Mathématiques**

## Research Experience

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- As of Oct. 2024    **INRIA AVIZ TEAM, LISN, UNIVERSITÉ PARIS SACLAY**, Gif-sur-Yvette.  
**Ph.D. student**, 3 years. *Improve the design, evaluation and implementation of readable data visualizations.*  
**ADDITIONAL ACTIVITIES**—Student volunteer at VIS 2024, member of Inria's scientific outreach team, coordination of the working group of French-speaking young researchers in HCI (afihm GT JCJC).
- 2023 – 2024    **INRIA AVIZ TEAM, LISN, UNIVERSITÉ PARIS SACLAY**, Gif-sur-Yvette.  
**M1 & M2 Internships**, 1 year total (6 months each). *Developing a psychological scale measuring the perceived readability of data visualizations.*  
**RESEARCH WORK**—Literature review, study design and implementation (expert and crowd-sourced surveys, cognitive interviews), data analysis (qualitative coding, Exploratory Factor Analysis, Item Response Theory), scientific communication (article writing, poster design, oral presentations).  
**PUBLICATIONS**—See below pp. 2-4.  
**ADDITIONAL ACTIVITIES**—Remote student volunteer at VIS 2023, participation to Fête de la Science 2023 with Inria mediation team.

## Other Professional Experience

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- 2013 – 2022      **STUDIO ÉMERGENCE**, Paris. *Pedagogical communication consulting & design.*  
**Co-founder, general manager, art director.**  
**ROLE**—Operations and team management, business analysis, user need assessment, solution design, project management, art direction, graphic design.
- 2009 – 2022      **FREELANCE**, Paris & Bruxelles.  
**Trainer and graphic designer.** *Presentation design.*  
**TRAINING & COACHING**—Presentation design: adult training and individual coaching (Clients: Ferrero, BNP, L'Oréal, Centre des Jeunes Dirigeants...)  
**PEDAGOGICAL DESIGN**—Training programs and learning material creation for presentation design and mind mapping trainings.  
**GRAPHIC DESIGN**—Creation of visual identities, print and digital communication media (Clients: small businesses, associations, individuals)

## Publications

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### WORK UNDER REVIEW

**Lily W. Ge, Anne-Flore Cabouat, Karen Bonilla, Yuan Cui, Yiren Ding, Noëlle Rakotondravony, Mackenzie Michael Creamer, Jasmine Tan Otto, Maryam Hedayati, Bum Chul Kwon, Angela Locoro, Lane Harrison, Petra Isenberg, Michael Correll, and Matthew Kay** (2025). *An Autoethnography on Visualization Literacy: A Wicked Measurement Problem*. Full paper under review for IEEE VIS 2025.

We present an autoethnographic account of our experiences with visualization literacy, a concept that has been defined in many ways but remains difficult to measure. We reflect on our own experiences as researchers and educators, and we share our perspectives on the challenges of measuring visualization literacy. We argue that visualization literacy is a wicked problem that requires a multifaceted approach to measurement, and we call for more research on this topic.

### FULL PAPERS

**Anne-Flore Cabouat, Tingying He, Petra Isenberg, and Tobias Isenberg** (2025). "PREVis: Perceived Readability Evaluation for Visualizations". In: *IEEE Transactions on Visualization and Computer Graphics* 31. DOI: [10.1109/TVCG.2024.3456318](https://doi.org/10.1109/TVCG.2024.3456318)

### OTHER PUBLICATIONS (WORKSHOP AND SHORT PAPERS)

**Eliane Z. Victorelli, Anne-Flore Cabouat, Emanuele Santos, Florent Cabric, and Petra Isenberg** (June 2025). "We Should Change How We Measure User Experience in Visual Analytics Systems". In: *Proceedings of the 16th International EuroVis Workshop on Visual Analytics (EuroVA)*. To appear. Proceedings to be published in the Eurographics Digital Library. Luxembourg

**Anne-Flore Cabouat, Tingying He, Florent Cabric, Tobias Isenberg, and Petra Isenberg** (2024). *Position Paper: A Case to Study the Relationship between Data Visualization Readability and Visualization Literacy*. O'ahu (Honolulu), United States. URL: <https://hal.science/hal-04523790>

**Florent Cabric, Margrét Vilborg Bjarnadóttir, Anne-Flore Cabouat, and Petra Isenberg** (2023). *Open Questions About the Visualization of Sociodemographic Data*. DOI: [10.1109/VIS4Good60218.2023.00010](https://doi.org/10.1109/VIS4Good60218.2023.00010)

**Élodie Mielczareck (text) and Anne-Flore Cabouat (illustrations)** (2021). *Human Decoder*. Paris: Le Courrier du Livre. 238 pp. ISBN: 978-2-7029-1972-9

**Frédéric le Bihan and Anne-Flore Cabouat** (2014). *Présentation design*. Paris: Alision. 238 pp. ISBN: 979-10-92184-13-6

## NON-PEER REVIEWED WORKS

**Anne-Flore Cabouat, Tingying He, Petra Isenberg, and Tobias Isenberg** (2023). *Pondering the Reading of Visual Representations*. Talk at Journée Visu 2023. URL: <https://hal.science/hal-04240900>

## NON-ACADEMIC PUBLICATIONS

**Élodie Mielczareck (text) and Anne-Flore Cabouat (illustrations)** (2021). *Human Decoder*. Paris: Le Courrier du Livre. 238 pp. ISBN: 978-2-7029-1972-9

**Frédéric le Bihan and Anne-Flore Cabouat** (2014). *Présentation design*. Paris: Alision. 238 pp. ISBN: 979-10-92184-13-6