

# François Delavy

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## SUMMARY

Data Analyst and Data Visualization Specialist with a background in neuroengineering and 8+ years of work experience in data management and analysis, strategy support, and project management. Thriving in interdisciplinary and collaborative environments. Eager to build data-driven products that benefit society and human beings.

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## WORK EXPERIENCE

**Scientific Collaborator (Data and quantitative methods specialist)** 2022 – present  
*Haute école de travail social Fribourg (HETS-FR/HES-SO)* Bern, Switzerland

- Doing the data collection, management, and analysis for an SNSF-funded research project on suicidality among healthcare and social work professionals.

**Data Analyst and Visualization Consultant** 2020 – 2021  
*Delavyz* Washington, D.C., USA

- Helped my clients discover and communicate what's hidden in their data.
- Selected clients: FrontPage Data, Dartkite Ltd.

**Project Lead** 2019 – 2020  
*Code for America* Boston, MA, USA

Code for Boston addresses local social and civic challenges through creative uses of technology.

- Co-led the *Safe Water* project, a team of 15 consisting of user experience researchers, designers, data analysts, data scientists, and other developers.
- Helped a non-profit organization understand the public and their stakeholders, as well as manage, visualize and communicate their data).

**Scientific Collaborator (Data & Research Analyst, Project Manager)** 2014 – 2018  
*Swiss National Science Foundation (SNSF)* Bern, Switzerland

Being a member of both the Data Science and Strategy Support team, my work was highly collaborative and interdisciplinary, including project management, data analytics, statistical analysis, strategy, science policy, and collaboration with quantitative/qualitative researchers.

- Produced data analyses, visualizations, presentations, and reports aiming at informing the decisions of audiences with varying degrees of visual and statistical literacy (higher management, Research Council, Compliance Committee, Gender Commission..) (e.g. [Identification of potential gender biases](#) in the funding of researchers led to the decision to introduce gender equality training for the evaluators).
- Led a team of 5, from the communication, business, and IT departments to build the [open government data portal](#) of the SNSF, with the aim to share data and communicate through visualizations.

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## SKILLS

*Computing Languages:* R, Python, SQL (PostgreSQL, Transact-SQL)

*Data Science:* data management and wrangling, hypothesis testing, statistical modeling (incl. multivariable regression, mixed-effects models), classification, clustering, machine learning, NLP, text mining

*Data Visualization:* ggplot2, Shiny, Plotly, Tableau, Google Data Studio, Datawrapper, Flourish, Excel, Affinity Designer, Inkscape, ArcGIS, Highcharts

*Project:* user research, user-centered design, coordination, presentation, planning, Git, Jira, Trello, Miro, Slack, Google Suite, PowerPoint

*Languages:* French (C2), English (C1), German (B2)

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## EDUCATION

### Thoughtful

*Data Science Program* 2019

- Completed an intensive data science program that focused on Python, mathematical tool-sets, statistical analysis, and big data techniques including machine learning.

### Swiss Federal Institute of Technology Lausanne (EPFL)

*Master of Science MSc in Life Sciences & Technology* 2011 – 2013

- Specialized in neuroscience and visual perception.

*Master project, Humboldt-Universität zu Berlin, Germany* 2012 – 2013

- Used statistical modeling to understand the role of attention in the response of the brain to visual stimuli.

*Bachelor in Life Sciences & Technology* 2006 – 2011

- Life sciences with an engineering approach. Extensive training in mathematics, physics, and computer science.

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## OUTREACH, PUBLICATIONS AND PROJECTS

- *Peer-reviewed:* Severin A, et al. (2020) Gender and other potential biases in peer review: cross-sectional analysis of 38 250 external peer review reports. *BMJ Open* 2020;10:e035058. DOI: [10.1136/bmjopen-2019-035058](https://doi.org/10.1136/bmjopen-2019-035058)
- *Blog post:* How Proximity Affects Rankings in Local Google Search Results. I did analyses and visualizations for the client; we created a blog post to show the results – <https://rankings.io/proximity-local-seo>.
- *Survey Report:* 2021 Hacklab Ghana Developer Census. Analysis and visual report of a survey of Ghanaian coders. Developed for CorrelAid in a Data4Good project with the Hacklab Foundation, Ghana – [github.com/CorrelAid/hacklab-foundation](https://github.com/CorrelAid/hacklab-foundation).

Find more projects on my portfolio website: <https://delavyz.com/project/>