



My interests are:

- Data Science
- Statistics
- NLP/LLM
- Computer Science

I love coding, looking for patterns, and visualizing data.

General Skills

Programming

R	(★★★★★)
Python	(★★★★★)
C++	(★★★★★)
VBA	(★★★★★)

AI Ecosystem

PyTorch (ML)	(★★★★★)
Spacy (NLP)	(★★★★★)
Prodigy	(★★★★★)
Ollama (LLM)	(★★★★★)
Hugging Face	(★★★★★)

Data visualization and exploration

R (shiny, ggplot)	(★★★★★)
Python (matplotlib)	(★★★★★)
Gephi	(★★★★★)

Languages

English	(★★★★★)
Spanish (native)	(★★★★★)
Dutch (learning)	(★★★★★)

Dr. Sofia Gil-Clavel

Actuarial, Computer, and Computational Social Scientist

Strengths: I am an independent and long-term-oriented researcher with the background and experience to solve social/behavioral problems through novel and creative solutions.

[sofiag1l.github.io](https://github.com/sofiag1l)
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[SofiaG1l](#)
[Google Scholar](#)
[ORCID](#)



Education



Working Experience

- [2024– current] **Researcher, Research Engineer, and Lab Manager** at the [Societal Analytics Lab](#). *VU Amsterdam, NL*.
I facilitate the **creation of advanced computational resources**. As lab manager, **I run the lab and its resources** together with the lab directors
- [2022– 2024] **Post Doctoral Fellow**. *TU Delft, Delft, NL*.
I developed an active learning methodology to extract, visualize, and analyze text.
- [2018 – 2022] **PhD Fellow Computational Social Science**.
Rostock, DE, and Groningen, NL.
I gave and organized a workshop on how to use Application Programming Interfaces to retrieve data from Facebook and Twitter. I published three first-author articles and collaborated in 6 other publications. My work was selected for presentation at more than ten conferences.
- [2017 – 2018] **Head of the Demographic Analysis Department**.
Mexico City, MX.
I programmed and uploaded (Linux servers) the first version (2018) of the shiny app to visualize conciliation and projected Mexican data ([link](#)). I also developed the project “Estimation of the infant mortality rate in Mexico in 2015 at municipal level using numerical techniques.”
- [2015 – 2017] **Computer Science (MSc)**. *Guanajuato, MX*.
- [2014 – 2015] **Research Analyst**. *Mexico City, MX*.
I programmed the R package “DemosR: Package for the Stochastic Population Forecast” (COLMEX internal use).
- [2013 – 2015] **Student Assistant**. *Mexico City, MX*.
I helped prepare the teaching material and taught and graded three courses with around 50 students per course.
- [2009 – 2014] **Actuarial Science (BSc)**. *Mexico City, MX*.
- [2007 – 2008] **Mathematics Teacher**. *Mexico City, Mexico*.
I taught fundamental mathematics to people of different ages.