



### 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 a long-term-oriented researcher with the passion to bring creative and novel solutions to the world.

[sofiag1l.github.io](https://github.com/sofiag1l) [B.S.GilClavel@vu.nl](mailto:B.S.GilClavel@vu.nl)

[SofiaG1l](#) [Google Scholar](#) [ORCID](#)

Education.....	2
2018-2023: Computational Social Science (PhD) .....	2
2015-2017: Computer Science (MSc) .....	2
2009-2014: Actuarial Science (BSc) .....	2
Work Experience .....	2
2024-Current: Researcher, Research Engineer, and Lab Manager at the Societal Analytics Lab .....	2
2022-2024: Post Doctoral Fellow Human Adaptation to Climate Change .....	3
2018-2022: PhD Fellow Computational Social Science .....	3
2017-2018: Head of the Demographic Analysis Department.....	3
2007-2015: Other work experience .....	3
Publications .....	4
Peer Reviewed .....	4
Datasets.....	5
Working Papers .....	5
Supervision Experience .....	6
PhD Students.....	6
Master Students .....	6
Bachelor Students .....	6
Teaching Experience .....	6
University Teaching Qualification .....	6
University Level Teaching .....	6
Workshops for academics .....	7
Professional Activities.....	8
Invited Speaker .....	8
Organized Events .....	9
Other Professional Activities .....	9
Scholarships and Grants .....	9
Presentations at Conferences.....	10
References.....	10

## Education

### 2018-2023: Computational Social Science (PhD)

[Sep.2018–Aug. 2023]

*Digital and Computational Demography Laboratory, Max Planck Institute for Demographic Research, Germany, & Faculty of Spatial Sciences, University of Groningen, Netherlands.*

Supervisors: Prof. Dr. Emilio Zagheni & Prof. Dr. Clara H. Mulder

#### PhD thesis:

Gil-Clavel, Sofia. “**Studying Social Interactions Using Digital Trace Data**: The Cases of Older Adults, Migrants, and Family Ties” ([link](#)). University of Groningen, 2023.

#### Graduate-level education:

- IMPRS-PHDS [Sep.2019–Aug.2023]: International Max Planck Research School for Population, Health and Data Science, Germany.
- CAnD3 [May 2021–Jun.2022]: Consortium on Analytics for Data-Driven Decision-Making, McGill University, Canada.

### 2015-2017: Computer Science (MSc)

[Aug.2015–Aug. 2017]

*Center of Mathematics Research (CIMAT), Mexico.*

Specialization in Computing and Industrial Mathematics.

The thesis research used and optimized techniques for geospatial analysis, such as Autoregressive Spatial models.

Supervisor: Prof. Johan Van Horebeek

### 2009-2014: Actuarial Science (BSc)

[Aug.2009–Aug. 2014]

*National Autonomous University of Mexico (UNAM), Mexico.*

## Work Experience

### 2024-Current: Researcher, Research Engineer, and Lab Manager at the [Societal Analytics Lab](#)

[Nov.2024 – Current] *VU Amsterdam. Amsterdam, Netherlands.*

As researcher, **I work on novel methodological research** applied to the study of socio-ecological systems. As research engineer, **I facilitate the creation of advanced computational resources**, while also maintaining them and facilitating their use by other researchers. As lab manager, **I run the lab** and its resources **together with the lab directors** (Wouter van Atteveldt and Kasper Welbers).

👉 Under my managing, the lab has accomplished the following:

- The number of lab members increased 38%.
- We kicked-off the Linux computing server that runs AI specialized software (Ollama, Open Web-UI, and Whisper) ([link](#)). I am personally responsible of installing and maintaining the software. This software is freely available for all the researchers at the Faculty of Social Science, VU Amsterdam, that signed up to be members of the lab.

- We invested in tools and resources that facilitate researchers usage of big multimodal data and computational methods (AmCAT, Prodigy, and LIWC) ([link](#)).
- Every month, we have events aimed at improving researchers computational skills ([link](#)), such as talks and workshops. I am personally responsible for the design and organization of the R-Workshops ([link](#)).

### 2022-2024: Post Doctoral Fellow Human Adaptation to Climate Change

[Jul.2022 – Oct.2024] *TU Delft. Delft, Netherlands.*

**Retrieval and analysis of peer-reviewed articles' text to study humans' adaptation to climate change.** Specifically, I use Natural Language Processing, network visualization, and statistical analysis to study the socio-economic factors associated with adaptation to climate change.

✔ **I developed an active learning methodology to extract, visualize, and analyze text** from peer-reviewed articles. I submitted two articles for publication, which are available as working papers and collaborated on two articles that are also under peer-review. I developed and taught a general workshop on how to use Application Programming Interfaces to retrieve data. Lastly, **I supervise five bachelor students and co-supervise one PhD student and three master students.**

### 2018-2022: PhD Fellow Computational Social Science

[Sep.2018 – Jun.2022] *Max Planck Institute for Demographic Research. Rostock, Germany.*

*Faculty of Spatial Sciences. University of Groningen. Groningen, Netherlands.*

**My PhD projects relied on analyzing data retrieved using Facebook and Twitter Application Programming Interfaces through statistical and longitudinal methods and natural language processing.** My main dissertation projects focused on Europe, specifically on studying family ties, immigrants' cultural integration, and older people's use of information and communication technologies to maintain friendships.

✔ **I published 3 first-author articles and collaborated in 6 other publications.** My work was selected for presentation in more than 10 conferences. I also **developed and gave a workshop on how to use Application Programming Interfaces to retrieve data from Facebook and Twitter.** I was elected for several years as PhD representative. Lastly, I started to supervise master students.

### 2017-2018: Head of the Demographic Analysis Department

[Aug.2017 – Aug.2018] *National Population Council (CONAPO). Mexico City, Mexico.*

**My work focused on creating computational tools to visualize and analyze data,** such as Mexican conciliation (1950-2015) and the Mexican projected population (2016-2050). I also performed demographic data analysis, including population, deaths, births, and migration.

✔ **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." Work presented at the Mexican Demographic Society (SOMEDE).

### 2007-2015: Other work experience

Research Analyst

[Aug.2014 – Aug.2015] *Center of Demographic, Urban, and Environmental Studies (CEDUA) of el Colegio de México (COLMEX). Mexico City, Mexico.*

✔ **Development of the R package “DemosR: Package for the Stochastic Population Forecast” (COLMEX internal use).** Analysis and handling of big data for demographic research.

#### Student Assistant: Teacher in BSc degree

[Aug.2013 – Aug.2015] *Faculty of Science, Universidad Nacional Autónoma de México (UNAM). Mexico City, Mexico.*

✔ **I helped prepare the teaching material and taught and graded** three different courses with around 50 students per course.

#### Mathematics Teacher

[Aug. 2007 – Jul. 2008] *National Mathematics College (CONAMAT), Mexico.*

✔ **I taught fundamental mathematics** (arithmetic, geometry, algebra, and calculus) **to people of different ages and educational levels.**

## Publications

### Peer Reviewed

**Gil-Clavel, S.,** Wagenblast T., & Filatova T. “Incremental and Transformational Climate Change Adaptation Factors in Agriculture Worldwide: A Comparative Analysis Using Natural Language Processing.” Edited by Sandra Ricart. *PLOS ONE* 20, no. 3 (March 19, 2025): e0318784. <https://doi.org/10.1371/journal.pone.0318784>.

**Gil-Clavel, S.,** Wagenblast T., Akkerman J., & Filatova T. “Patterns in Reported Adaptation Constraints: Insights from Peer-Reviewed Literature on Floods and Sea-Level Rise.” *Current Opinion in Environmental Sustainability* 72 (February 2025): 101502. <https://doi.org/10.1016/j.cosust.2024.101502>.

**Gil-Clavel, S.,** & Mulder C.H. (2024) “Does Twitter Data Mirror the European North–South Family Ties Divide? A Comparative Analysis of Tweets About Family.” *Population Research and Policy Review* 43, no. 4: 48. <https://doi.org/10.1007/s11113-024-09891-6>.

González-Leonardo, M., Neville, R., **Gil-Clavel, S.,** and Rowe, F. (2024) “Where Have Ukrainian Refugees Gone? Identifying Potential Settlement Areas across European Regions Integrating Digital and Traditional Geographic Data.” *Population, Space and Place*, e2790. <https://doi.org/10.1002/psp.2790>

**Gil-Clavel, S.,** Grow, A., & Bijlsma, M. J. (2023). “Migration Policies and Immigrants’ Language Acquisition in EU-15: Evidence from Twitter.” *Population and Development Review*. <https://doi.org/10.1111/padr.12574>

Kashyap, R., Rinderknecht, R. G., Akbaritabar, A., Alburez-Gutierrez, D., **Gil-Clavel, S.,** Grow, A., Kim, J., et al. (2023). “Digital and computational demography.” In *Research Handbook on Digital Sociology* (pp. 48-86). Edward Elgar Publishing. <https://doi.org/10.4337/9781789906769>

- Grow, A., Perrotta, D., Del Fava, E., Cimentada, J., Rampazzo, F., **Gil-Clavel, S.**, Zagheni, E., Flores, R.D., Ventura, I. and Weber, I. (2022). "Is Facebook's advertising data accurate enough for use in social science research? Insights from a cross-national online survey." *Journal of the Royal Statistical Society Series A*, 185(S2), S343-S363. <https://doi.org/tudelft.idm.oclc.org/10.1111/rssa.12948>
- Gil-Clavel, S.**, Zagheni, E., & Bordone, V. (2021). "Close social networks among older adults: the online and offline perspectives". *Population Research and Policy Review*, 1-25. <https://link.springer.com/article/10.1007/s11113-021-09682-3>
- Del Fava, E., Cimentada, J., Perrotta, D., Grow, A., Rampazzo, F., **Gil-Clavel, S.**, & Zagheni, E. (2021). "Differential impact of physical distancing strategies on social contacts relevant for the spread of SARS-CoV-2: evidence from a cross-national online survey", *BMJ open*, 11(10), e050651.
- Perrotta, D., Grow, A., Rampazzo, F., Cimentada, J., Fava, E. D., **Gil-Clavel, S.**, & Zagheni, E. (2021). "Behaviors and attitudes in response to the COVID-19 pandemic: Insights from a cross-national Facebook survey". *EPJ Data Science*, 10(17), 13. <https://doi.org/10.1140/epjds/s13688-021-00270-1>
- Grow, A., Perrotta, D., Fava, E. D., Cimentada, J., Rampazzo, F., **Gil-Clavel, S.**, & Zagheni, E. (2020). "Addressing Public Health Emergencies via Facebook Surveys: Advantages, Challenges, and Practical Considerations". *Journal of Medical Internet Research*, 22(12), 12. <https://doi.org/10.2196/20653>
- Gil-Clavel, S.**, & Zagheni, E. (2019). "Demographic Differentials in Facebook Usage around the World". *Proceedings of the International AAAI Conference on Web and Social Media*, 13, 647–650. Retrieved from <https://ojs.aaai.org/index.php/ICWSM/article/view/3263>
- Alburez-Gutierrez, D., Zagheni, E., Aref, S., **Gil-Clavel, S.**, Grow, A., & Negraia, D. V. (2019). "Demography in the Digital Era: New Data Sources for Population Research." In *Smart Statistics for Smart Applications: Book of Short Papers SIS2019* (Arbia, Giuseppe, et al.). Pearson. <https://osf.io/24jp7>

## Datasets

- Gil-Clavel, S. (Creator)**, Filatova, T. (Creator) (2024). "Interrelated Climate Change Adaptation Measures and Factors". DANS Data Station Social Sciences and Humanities. <https://ssh.datastations.nl/dataset.xhtml?persistentId=doi:10.17026/SS/PYZCXX>

## Working Papers

- Gil-Clavel, S.**, & Filatova, T. (2023). "Using Natural Language Processing and Networks to Automate Structured Literature Reviews: An Application to Farmers Climate Change Adaptation." Preprint. ArXiv: <https://arxiv.org/pdf/2306.09737.pdf>

## Supervision Experience

### PhD Students

- Thorid Wagenblast (2022–2024). “Social and Policy Tipping Elements in Transformational Climate Change Adaptation.” TU Delft. Netherlands. Main Supervisor: Prof. Tatiana Filatova. **Advisor: Dr. Sofia Gil-Clavel.**

### Master Students

- Meiyee Liu (2025-current). “A bibliometric comparative study of demographic and economic narratives around environmental devastation.” VU Amsterdam. Netherlands. **Main Supervisor: Dr. Sofia Gil-Clavel.**
- Kaninik Baradi (2024). “Ex-ante Measurement of Procedural Justice in Climate Change Adaptation.” TU Delft. Netherlands. Main Supervisor: Prof. Amineh Ghorbani. **Daily-Supervisor: Dr. Sofia Gil-Clavel.** <https://repository.tudelft.nl/record/uuid:736728a9-4a3a-4587-97f2-d23554cc2b85>
- George Gittins (2024). “Extracting Institutional Grammar Norms from Questionnaire Data for Agent-Based Models.” TU Delft. Netherlands. Main Supervisor: Prof. Amineh Ghorbani. **Daily-Supervisor: Dr. Sofia Gil-Clavel.** <https://repository.tudelft.nl/record/uuid:a0dcc62c-b005-44be-9427-aff94d84e336>
- Camila Montiel González (2023–2024). “Facebook versus encuestas de hogares: oportunidades y límites de los datos de Facebook para el estudio de la migración internacional en América Latina.” Universidad de la República, Facultad de Ciencias Sociales. Uruguay. Main Supervisor: Prof. Victoria Prieto Rosas. **Co-Supervisor: Dr. Sofia Gil-Clavel.** <https://hdl.handle.net/20.500.12008/43352>  
Note: The student graduated with honors.

### Bachelor Students

- **Main supervisor of 5 bachelor students (2024).** Co-supervisor: Prof. Trivik Verma. Project name “From intention to adoption of green energy: Demographic, Cultural, and Economic differences in the EU.” You can also check one of these theses [here](#).

## Teaching Experience

### University Teaching Qualification

[February, 2025 – June 2025]

I **designed, coordinated, and taught** the R-workshop for academics ([link](#)) and the Social Media Analytics course (~80 bachelor students). I followed the UTQ at VU Amsterdam.

### University Level Teaching

#### Social Media Analytics

[February, 2025 – June 2025]

I **coordinated and helped preparing all the material to teach students manual and automatic content analysis**. The course consists of around 80 students. It covers three periods, from P4 (February) to P6 (June). In P4 and P5 students learn how to apply a range of content analysis techniques (manual and using supervised learning). Next to self-study material students had 3 lectures and 6 computer practicals. For every computer practical students had to make an



assignment in teams of 2. Finally, during Q6 the students applied what they learned on a 1-month project.

### Student Assistant Teacher in BSc degree

[Aug.2013 – Aug.2015]

I helped prepare the material, and teaching and grading.

- *Calculus*. 20 students. El Colegio de México. [Aug.2014 – Aug.2015]
- *Statistics*. 50 students. UNAM. [Jan.2014 – Aug.2014]
- *Probability*. 100 students. UNAM. [Aug.2013 – Aug.2014]

### Mathematics Teacher

[Aug. 2007 – Jul. 2008]

I taught fundamental mathematics to people of different ages.

National Mathematics College (CONAMAT), Mexico.

### Workshops for academics

#### R for Social Scientists

[February, 2025 – June 2025]

**I designed this course** to give social scientists all that is necessary to start using R in their everyday work. The course is designed for academics in different career stages (from PhD students to professors) and with different backgrounds. It does not matter if they are a qualitative researcher that has never used R, or a quantitative researcher that wants to learn new topics or move out of SPSS/STATA. **The course received very good feedback from the academics** that followed it. Furthermore, some departments at VU have requested that I teach it to their staff, to help speed-up the department transition to fully use R. All the material is [here](#).

#### Introduction to Data Analysis with R

[May 6<sup>th</sup>, 2024 - May 8<sup>th</sup>, 2024]

I fully prepared a **3-days course** that **aims to teach** students **all that is necessary to use R for coding, data management, and data visualization**. It is targeted to bachelor, master, and PhD students interested in learning R. No previous knowledge of R was required.

#### Workshops on Digital Data: Use, Retrieval, and Analysis

[Jan.2019 – Current]

**I fully prepared a 3-hours workshop** that aims to give a general overview on the use of digital data for population research, and how to use application programming interfaces to download digital data from diverse social media platforms. **The course has been followed by bachelor, master, and doctoral students, as well as professors from different international institutions, and it has received very good reviews.**

- Universidad Andina del Cusco, Peru. [Oct. 2024]
- Centro de Investigación en Matemáticas, Mexico. [Oct. 2023]
- El Colegio de México, Mexico ([link](#), [link](#)). [Sep. 2023 & Apr. 2022]
- Max Planck Institute for Demographic Research, Germany ([link](#)). [Oct. 2019]
- Instituto de Economía, Geografía y Demografía, Spain ([link](#)). [Jun. 2019]

## Professional Activities

### Invited Speaker

**Invited as an expert in the use of Social Media Data** to contribute to the update of TU Delft “Guidelines for Research Data/Software Management.” Organized by Asya Kochkurova, TU Delft library Project Manager. February 2024.

**Invited speaker** at “Bridging the Gap: Integrating Historical Knowledge and Complex Human-Environmental System Modelling,” at the Max Planck Institute of Geo-anthropology, to present “Use of Natural Language Processing and Networks to study individuals’ factors of Climate Change Adaptation” ([link](#)). Germany. December 2023.

**Invited speaker** at “Primer Seminario Sobre Gestión y Generación de Datos Sociodemográficos,” Universidad Autónoma del Estado de México, to present “Estudio de las interacciones sociales mediante datos digitales: Los Casos de las Personas Adultas Mayores y los Inmigrantes.” Mexico. October 2023.

**Invited speaker** at Centro de Investigación en Matemáticas (CIMAT) to present “Estudio de las interacciones sociales mediante datos digitales: Los Casos de las Personas Adultas Mayores y los Inmigrantes.” ([link](#)) Mexico. October 2023.

**Invited to give a workshop** at Centro de Investigación en Matemáticas (CIMAT): *Datos Digitales: uso, descarga y análisis*. October 2023.

**Invited to give a workshop** at El Colegio de Mexico as part of the permanent seminar Migración Desigualdad y Políticas Públicas. “Taller de Datos Digitales: Uso, Descarga, y Análisis” ([link](#)). Mexico. September 2023.

**Invited to give a guest lecture** at the Department of Methodology and Statistics of Tilburg University to present “Big Data as a Data Source for Research: The Case of Facebook Data.” Netherlands. March 2023.

**Invited speaker** at the Permanent Seminar ‘Aplicaciones de ciencia de datos en las ciencias sociales y las humanidades’ of El Colegio de México. Presentation: “La asociación entre las políticas de integración cívica y de ciudadanía con el uso de la lengua de destino de los inmigrantes de la UE-15: Uso de datos de Twitter para analizar la adquisición de idiomas” (You can find the video [here](#)). November 2022.

**Invited to give a workshop** at El Colegio de Mexico “V Coloquio Internacional Estudiantil en Población, Ciudad y Ambiente”: *Uso de APIs para la descarga de datos* ([link](#)). April 2022.

**Invited as discussant** at the panel “Machine learning in the social sciences” of the *MigrantLife Symposium* ([link](#)). March 2022.

**Invited as discussant** at the panel “Digital Traces for demographic knowledge” of the *Population Studies Association of Argentina* (AEPA) ([link](#)). October 2021.

**Invited as discussant** to the roundtable Demographic Research with Web and Social Media Data at the *Latin American Population Association*, organized by Diego Alburez-Gutierrez. You can find the video [here](#).



## Organized Events

**Organized the event** “Ethics of AI and Lab's tools introduction” for the Societal Analytics Lab, VU Amsterdam ([link](#)). Invited speaker: Dr. Katleen Gabriels. Amsterdam, Netherlands. May 2025.

**Organized the session** “Uso de datos digitales para el estudio de la migración latinoamericana” at “Segundo Seminario Internacional: Gestión y análisis de información sobre movilidad y migración 2024”, Universidad Autónoma del Estado de México. Invited speakers: PhD Candidate Abigail Tun Mendicuti, PhD Candidate Camila Montiel, and Ms. Tania Varona Molina. Mexico. September 2024.

**Organized the session** “Uso de Datos Digitales en el Estudio de la Movilidad y la Migración Humana” at “Primer Seminario Sobre Gestión y Generación de Datos Sociodemográficos”, Universidad Autónoma del Estado de México. Invited speakers: Prof. V. Prieto Rosas, Prof. F. Rowe, Dr. D. Perrotta, and PhD Candidate C. Coimbra Vieira. Mexico. October 2023.

**Organized a training Workshop** on “Using the Facebook Application Programming Interface” at the Max Planck Institute for Demographic Research ([link](#)). October 2019.

**Organized a Workshop** at the ICWSM 2019: *Demographic Research with Web and Social Media Data* ([link](#)). June 2019.

**Organized a training Workshop** at IUSSP Digital Demography in the Era of Big Data Pre-Workshop: *Demography Today Training* ([link](#)). June 2019.

## Other Professional Activities

- Co-founder of the Film Club at the Societal Analytics Lab, VU Amsterdam. [Jun.2025–Current]
- Founder of the Reading Club at the Political Communication Group, VU Amsterdam. [Nov.2024–Current]
- Chair and co-discussant at session “Policy Language Analysis” of COMPTXT24 conference ([link](#)). May 2024.
- Host Lunch Lecture on "Sustainable and Ethical Impacts of AI" on April 30th, 2024, as part of the Green Week event organized by TU Delft.
- Founder of the Reading Club at the SC3 Group, TU Delft. [Apr.2023–Oct.2024]
- Co-launched Peer-Review Workshop, IMPRS-PHDS. [Aug.2020–Apr.2022]
- Elected PhD Core Representative, IMPRS-PHDS. [Nov.2019–Jun.2022]
- Elected PhD External Representative, MPIDR. [Jun.2020–Jun.2021]

## Scholarships and Grants

**Project “Responsible use of Artificial Intelligence in government agencies” was selected by VU funds campaign to seek sponsorship.** This is the first research project where I am Principal Investigator. In this project, I work together with Tim Groot Kormelink to study how public servants use Artificial Intelligence in their daily work. In which situations do they use it? In which do they not? And how do they take the results into consideration? Based on this knowledge, we will develop an intervention in the form of a board game. This board game will empower policy makers to use Artificial Intelligence responsibly and critically. More information [here](#). [May.2025–Ongoing]

**Scholarship of 10,000EUR** from the Mexican National Council of Science and Technology (CONACyT) to study Computer Science at CIMAT. [Aug.2015–Aug.2017]

**Scholarship from CIMAT** to participate in their “6<sup>th</sup> Summer School on Probability and Statistics”, and to work on a research project with Prof. Rogelio Ramos Quiroga, CIMAT. [July 1<sup>st</sup> to July 12<sup>th</sup>, 2013]

## Presentations at Conferences

I have presented my work at major international conferences, such as (*all in Appendix A*):

- International and Interdisciplinary Conference on the Quantitative and Computational Analysis of Textual Data (COMPTTEXT)
- Open Data Infrastructure for Social Science and Economic Innovations (ODISSEI)
- Tipping Points Conference
- European Population Conference (EPC)
- International Population Conference (IPC)
- International Migration, Integration and Social Cohesion in Europe (IMISCOE)
- Population Association of America (PAA)
- International Conference on Web and Social Media (ICWSM)
- Mexican Society of Demography (SOMEDE)

## References

- Prof. Dr. Wouter van Atteveldt:
  - [wouter@vanatteveldt.com](mailto:wouter@vanatteveldt.com)
  - [wouter.van.atteveldt@vu.nl](mailto:wouter.van.atteveldt@vu.nl)
  - VU Amsterdam, Faculty of Social Science,  
De Boelelaan 1105, 1081 HV Amsterdam, Netherlands
- Prof. Dr. Tatiana Filatova:
  - [T.Filatova@tudelft.nl](mailto:T.Filatova@tudelft.nl)
  - +31 15 27 85735
  - +31641230904
  - TU Delft, Faculty of Technology, Policy and Management,  
Jaffalaan 5, 2628 BX Delft, Netherlands
- Prof. Dr. Clara H. Mulder:
  - [c.h.mulder@rug.nl](mailto:c.h.mulder@rug.nl)
  - +31 50 36 34549
  - University of Groningen, Faculty of Spatial Sciences,  
Landleven 1, 9747 AD Groningen, Netherlands
- Prof. Dr. Emilio Zagheni:
  - [zagheni@demogr.mpg.de](mailto:zagheni@demogr.mpg.de)
  - +49 381 2081-104
  - Max Planck Institute for Demographic Research,  
Konrad-Zuse-Str. 1, 18057 Rostock, Germany

## Appendix A: Complete list of Presentations

**Sofia Gil-Clavel** “Lab Tools Introduction”. Presentation at Ethics of AI and Lab's tools introduction. Event organized by the Societal Analytics Lab ([link](#)), Amsterdam. Netherlands. May 2025. A summary of the presentation can be accessed [here](#).

**Sofia Gil-Clavel** “The Societal Analytics Lab”. Presentation at the department Organization Science, VU Amsterdam. Event organized by the department Organization Science, Amsterdam. Netherlands. March 2025.

**Sofia Gil-Clavel** “Misinformation about Climate Change in Mexico”. Presentation at the Political Communication group, VU Amsterdam. Event organized by the Political Communication group, Amsterdam. Netherlands. February 2025.

**Sofia Gil-Clavel** “The Societal Analytics Lab”. Presentation at the department Political Science and Public Administration, VU Amsterdam. Event organized by the department Political Science and Public Administration, Amsterdam. Netherlands. January 2025.

**Sofia Gil-Clavel** “Estudio de las Interacciones Sociales a partir de Datos Digitales: los Casos de las personas Adultas Mayores y los Inmigrantes”. Presentation at Segundo encuentro II Encuentro Internacional de Matemática Aplicada. Event organized by Universidad Andina del Cusco, Peru. Peru. October 2024.

**Sofia Gil-Clavel**, Tatiana Filatova, “Using Natural Language Processing and Networks to Automate Structured Literature Reviews: An Application to Farmers Climate Change Adaptation.” Presentation at COMPTXT24 conference ([link](#)). May 2024.

**Sofia Gil-Clavel**, André Grow, Maarten J. Bijlsma, “Migration Policies and Immigrants’ Language Acquisition in EU-15: Evidence from Twitter”. Poster Presentation at Open Data Infrastructure for Social Science and Economic Innovations (ODISSEI) 2023. Netherlands. November 2023.

**Sofia Gil-Clavel**, Tatiana Filatova, “Farmers’ Adaptation to Climate Change: a Natural Language Processing Systematic Review”. Poster Presentation at Open Data Infrastructure for Social Science and Economic Innovations (ODISSEI) 2023. Netherlands. November 2023.

**Sofia Gil-Clavel** “Estudio de las Interacciones Sociales a partir de Datos Digitales: los Casos de las personas Adultas Mayores y los Inmigrantes”. Presentation at Seminario de Matemáticas Aplicadas. Event organized by CIMAT, Mexico. Mexico. October 2023.

**Sofia Gil-Clavel**, Tatiana Filatova, “Farmers’ Adaptation to Climate Change: a Natural Language Processing Systematic Review”. Presentation at Latin American Researchers Day 2023. Event organized by LATITUD in collaboration with the Mexican and Colombian embassies. Netherlands. June 2023.

**Sofia Gil-Clavel**, Clara Mulder, “Do Tweets Mirror the European North-South Family Ties Division?” Presentation for Dutch Demography Day. Session: Poster Pitch. Netherlands. November 2022.

**Sofia Gil-Clavel**, Tatiana Filatova, “Transformational Adaptation to Floods at Micro and Macro Level - an AI Systematic Review.” Poster Presentation at The Art of Scientific Computing. TU Delft. Netherlands. September 2022.

- Sofia Gil-Clavel**, André Grow, Maarten J. Bijlsma, “Analyzing EU-15 Immigrants’ Language Acquisition using Twitter Data”. Poster Presentation at The Art of Scientific Computing. TU Delft. Netherlands. September 2022.
- Sofia Gil-Clavel**, Tatiana Filatova, “Transformational Adaptation to Floods at Micro and Macro Level - an AI Systematic Review.” Poster Presentation at Tipping Points Conference: From Climate Crisis to Positive Transformation. United Kingdom. September 2022.
- Sofia Gil-Clavel**, André Grow, Maarten J. Bijlsma, “EU-15 Immigrants Language Integration on Twitter”. Poster presented at European Population Conference (EPC). Netherlands. Poster Café. June 2022.
- Sofia Gil-Clavel**, André Grow, Maarten J. Bijlsma, “EU-15 Immigrants Language Integration on Twitter”. Presentation for Population Association of America (PAA). Session Flash: New Data and Methods in Migration Research. April 2022.
- Sofia Gil-Clavel**, Clara Mulder, “What do Europeans tweet about family before and after moving?” Presentation at MigrantLife Symposium 2022. Session: Work, Family Life, and Employment. March 2022.
- Sofia Gil-Clavel**, André Grow, Maarten J. Bijlsma, “EU-15 Immigrants Language Integration on Twitter”. Presentation for International Population Conference (IPC). Session 193: Us vs Them: Cultural Assimilation and Anxieties in the Modern World. December 2021.
- Sofia Gil-Clavel**, André Grow, Maarten J. Bijlsma, “EU-15 Immigrants Language Integration on Twitter”. Presentation for Dutch Demography Day. Session: Poster Pitch. November 2021.
- Sofia Gil-Clavel**, “Immigrants’ Cultural Integration Patterns in Spain, Germany, and the UK: Tweets as Expressions of Context.” Presentation for IMISCOE General Conference. Session: Migrant Transnationalism 13. July 2021.
- Sofia Gil-Clavel**, “EU-15 Immigrants Language Integration on Twitter”. Poster presentation for the IMPRS-PHDS Graduate Workshop. June 2021.
- Sofia Gil-Clavel**, Emilio Zagheni, and Valeria Bordone, “Close Social Networks among Older Adults: The Online and Offline Perspectives.” Accepted presentation for PAA. Flash session: Social Networks, Social Support, and Health. May 2021.
- Sofia Gil-Clavel**, “Immigrants’ Cultural Integration Patterns in Spain, Germany, and the UK: Tweets as Expressions of Context”. Presentation for IMISCOE Spring Conference. Session: Messaging Migration on and Through Social Media. March 2021.
- Sofia Gil-Clavel**, Emilio Zagheni and Valeria Bordone, “Close Social Networks among Older Adults: The Online and Offline Perspectives.” Presentation for the Dutch Demography Week. Session: Families in later life. November 2020.
- Sofia Gil-Clavel**, Valeria Bordone and Emilio Zagheni, “Determinants of Online and Offline Close Social Networks Among Older Adults.” Accepted presentation for EPC. Session: Health and Wellbeing in a Digital World. June 2020. Cancelled due to COVID-19.

**Sofia Gil-Clavel**, Valeria Bordone and Emilio Zagheni, “Determinants of Online and Offline Close Social Networks Among Older Adults.” Accepted presentation for PAA. Flash session: Use of Big Data to Model Health Outcomes and Mortality. April 2020. Cancelled due to COVID-19.

**Sofia Gil-Clavel** and Emilio Zagheni, “Demographic Differentials in Facebook Usage Around the World”, poster presented at The International AAAI Conference on Web and Social Media (ICWSM-2019). June 2019.

**Sofia Gil-Clavel** and Emilio Zagheni, “Demographic Differentials in Facebook Usage Around the World”, presented at IUSSP Digital Demography in the Era of Big Data. June 2019.

**Sofia Gil-Clavel** and Emilio Zagheni, “Demographic Differentials in Facebook Usage Around the World”, poster presented at Population Fest 2019 (PopFest2019). May 2019.

**Sofia Gil-Clavel**, “Estimation of the infant mortality rate in Mexico in 2015 at municipal level using numerical techniques”, presented at the XIV National Meeting of the Mexican Society of Demography (SOMEDE). June 2018.