# Aliakbar AKBARITABAR

Research Scientist · Deputy Head - Training

*Max Planck Institute for Demographic Research, Rostock, Germany*

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## Research Interests

**A Computational Social Scientist with a background in Sociology.**

**Computational Social Science** Social Network Analysis, Scientific Networks, Social Simulation, Text Analysis
**Sociology and Demography** Sociology of Science, Bibliometrics, Cyber Social Capital, Migration of Scholars

## Education

**Ph.D. of Economic Sociology** *Milan, Italy*
University of Milan *Awarded: Apr. 2019*
- Thesis: A quantitative sociology of academic work in an era of hypercompetition and rankings (1, 2), Supervisor: Flaminio Squazzoni

**Ph.D. of Sociology, Social Welfare** *Tehran, Iran*
Allameh Tabataba'i University *Awarded: Jun. 2017*
- Thesis: Iranian's Cyber Social Capital: Background Factors and Outcome (1), Supervisor: Jafar Hezarjaribi

**M.A. of Sociology** *Tehran, Iran*
Tarbiat Modares University *Awarded: Jun. 2011*
- Thesis: A Social Network Analysis Study on Online Social Networks: Case study of Doreh and U24, Supervisor: Ali Saei

**B.A. of Sociology, Social Research** *Shiraz, Iran*
Shiraz University *Awarded: Jun. 2008*
- Thesis: Factors related with students commitment to university, Supervisor: Abdolali Lahsaeizadeh

## Academic Positions

**Max Planck Institute for Demographic Research** *Rostock, Germany*
Deputy Head for Training - Department of Digital and Computational Demography (DiCoDe) *Sep. 2022 - present*
Faculty Member - PhD program "International Max Planck Research School for Population, Health and Data Science" (IMPRS-PHDS) *May 2021 - present*
Deputy Head - Laboratory of Migration and Mobility - DiCoDe *Nov. 2021 - Aug. 2022*
Executive Committee Member - DiCoDe *Nov. 2021 - present*
Seminar Series Chair - DiCoDe, Organized and chaired 18 weekly seminars, 14 with external invited speakers *Feb. 2022 - Aug. 2022*
Responsible for local friend system - DiCoDe, supporting newcomers' settlement *Jan. 2022 - Jun. 2023*
Research Scientist (link) *Jan. 2021 - present*

**Robert K. Merton Center for Science Studies, Humboldt-Universität zu Berlin** *Berlin, Germany*
Affiliated Researcher (link) *Jan. 2024 - present*

**German Centre for Higher Education Research and Science Studies (DZHW)** *Berlin, Germany*
Postdoctoral Researcher *Sep. 2018 - Jan. 2021*

**University of Brescia** *Brescia, Italy*
Researcher - Research Group on Experimental and Computational Sociology *Sep. 2016 - Aug. 2018*

**Yazd University** *Yazd, Iran*
Adjunct Professor *Sep. 2013 - Jun. 2014*

**University of Applied Science and Technology** *Tehran, Iran*
Adjunct Professor *Sep. 2012 - Jun. 2013*

## Research Stays

**University College Dublin** *Dublin, Ireland*
Visiting Researcher - Geary Institute *Apr. 2018 - Jun. 2018*

**Leiden University** *Leiden, the Netherlands*
Visiting Researcher - Centre for Science and Technology Studies (CWTS) *Feb. 2018 - Apr. 2018*

**École Nationale Supérieure des Télécommunications de Bretagne** *Brest, France*
Visiting Researcher *Feb. 2015 - Aug. 2015*
**Autonomous University of Barcelona** *Barcelona, Spain*
Visiting Researcher *Jul. 2015*

# Third-Party Grants, Placements, and Scholarships

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| 2023 | **W1 (assistant professorship),** University of Koblenz<br>**Outcome**: **3rd** place on the final hiring list i.e., evaluated as qualified for the position | *Koblenz, Germany* |
| 2023 | **PI,** Co-applicant with 5 international PIs; The well-being of migrants in Europe<br>**Outcome**: not selected | *CHANSE-Norface* |
| 2023 | **Supervisor,** Cooperation Visits Programme, a proposal by Alone Isabirye PhD at the Kyambogo University, Kampala, Uganda; Brain drain from Africa<br>**Outcome**: not selected | *TWAS - DFG* |
| 2023 | **PI,** lead applicant with 3 international co-applicants; Considering migrant scientists in research evaluation<br>**Outcome**: not selected | *Volkswagen Foundation* |
| 2022 | **PI,** ERC Starting Grant; Migration of scholars worldwide<br>**Outcome**: Grade A, "fully meets the ERC's excellence criterion and is recommended for funding if sufficient funds are available" | *European Research Council (ERC)* |
| 2022 | **Co-I,** Lead applicant D. Susie Lee; Ego-network's effect on the diffusion of family planning behavior<br>**Outcome**: not selected in the second round of review | *Templeton grant* |
| 2015 | **PhD Scholarship (40,916€),**<br>University of Milan, Funded by University of Brescia | *Milan, Italy* |
| 2015 | **Research Stay Scholarship (6,570€),**<br>Ministry of Science, Research and Technology | *Tehran, Iran* |
| 2015 | **Tuition Waiver (490€),**<br>Summer course on Personal Network Analysis at Autonomous University of Barcelona | *Barcelona, Spain* |
| 2015 | **Tuition Discount (500€, declined),**<br>Summer course on Big Data and Society at University of Amsterdam | *Amsterdam, the Netherlands* |

# Academic Supervision Experience and Responsibilities

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| 2024 - | **Co-organizer and Mentor,**<br>the **Population and Social Data Science Summer Incubator Program** (co-supervising with D. Perrotta and J. Kim), weekly mentorship meeting and organizing tutorials; **Project**: Gender and network dynamics in mobility and Migration (link) | *MPIDR* |
| 2024 | **Course Coordinator,**<br>International Max Planck Research School for Population, Health and Data Science (IMPRS-PHDS) course on Topics in Digital and Computational Demography (link) | *MPIDR* |
| 2024 | **Co-organizer and Facilitator,**<br>11 soft skills seminars for PhD students, 1-hour seminars with invited speakers | *MPIDR* |
| 2023 - | **Co-organizer and Mentor,**<br>Shortlisted and interviewed 14 students out of 217 applications and selected 6 PhD students to participate in the **Population and Social Data Science Summer Incubator Program** (co-supervised with U. Basellini and E. Zagheni), weekly mentorship meeting and organizing 15 tutorials; **Project**: Gender inequality in the scientific workforce worldwide (link) | *MPIDR* |
| 2023 | **Co-organizer and Facilitator,**<br>12 soft skills seminars for PhD students, 1-hour seminars with invited speakers, 1 as the speaker on Biases in Science (slides) | *MPIDR* |
| 2023 | **Course Coordinator,**<br>International Max Planck Research School for Population, Health and Data Science (IMPRS-PHDS) course on Topics in Digital and Computational Demography (link) | *MPIDR* |
| 2023 - | **Supervisor,**<br>1 visiting Master graduate (upcoming PhD student), Faeze Ghorbanpour, Computer Science at the Sharif University of Technology; **Project**: Identifying the nationality of Scopus-published scholars using machine learning and authors' names | *MPIDR* |

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| 2022 - | **Training Advisor**, 10 PhD students, as the Deputy Head for Training, monthly progressive meetings to provide feedback on their progress in addition to providing yearly feedback to students and their postdoc mentors | *MPIDR* |
| 2021 - | **Advisor**, 1 visiting PhD student, Maria Vignau Loria, PhD student of Sociology at the University of Washington, United States; **Working paper** (https://doi.org/10.4054/MPIDR-WP-2023-027) | *MPIDR* |
| 2021 - | **Advisor**, 1 PhD student, Xinyi Zhao, PhD student of Sociology at MPIDR and University of Oxford, the UK; **Published paper** (https://doi.org/10.1073/pnas.2214664120) | *MPIDR* |
| 2021-2022 | **Supervisor**, 1 Master Student (as a research assistant) | *MPIDR* |
| 2019-2021 | **Supervisor**, 2 Master Students (as research assistants) | *DZHW, Berlin* |

## Teaching Experience

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|---|---|---|
| 2024 | **Migration and Society - Week 7: Migration Networks**, University of Rostock and MPIDR | *Rostock* |
| 2024 | **Network tie formation mechanisms**, Population and Social Data Science Summer Incubator Program (materials) | *Rostock - Virtual* |
| 2024 | **Using digital trace data to study the migration of scholars**, IMPRS-PHDS, IDEM187, MPIDR | *Rostock - Virtual* |
| 2023 | **Using digital trace data to study the migration of scholars**, IMPRS-PHDS, IDEM187, MPIDR (outline) | *Rostock - Virtual* |
| 2022 | **Using digital trace data to study the migration of scholars**, IMPRS-PHDS, IDEM187, MPIDR (materials) | *Rostock - Virtual* |
| 2022 | **Parallelized analysis of bibliometric and text data using Python and SQL**, University of Toronto (materials) | *Toronto - Virtual* |
| 2022 | **Using bibliometric data in demographic research**, European Population Conference, with Xinyi Zhao (materials) | *Groningen, the Netherlands* |
| 2022 | **Introduction to text analysis and bibliometric data**, Population and Social Data Science Summer Incubator Program (materials) | *Rostock - Virtual* |
| 2022 | **Parallelized analysis of bibliometric and text data using Python and SQL**, University of Michigan (materials) | *Michigan- Virtual* |
| 2019 | **Introduction to network analysis**, Humboldt-Universität zu Berlin (materials) | *Berlin, Germany* |
| 2013-2014 | **Adjunct Professor**, Yazd University, courses taught: <br> - Basic Sociology (2 semesters) <br> - Sociology of Third World countries <br> - Sociology of Delinquent Behaviour <br> - Sociology of Social Stratification and Inequalities (2 semesters) | *Yazd, Iran* |
| 2012-2013 | **Adjunct Professor**, University of Applied Science and Technology, courses taught: <br> - Basic Sociology <br> - Basics of Iranian Social History | *Tehran, Iran* |
| 2011-2015 | **Workshop Instructor**, Social network analysis, invited by various institutions (visual history) | *Iran* |

## Organization of Scientific Events

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| 2023 | **Workshop (Member Initiated Meeting) Organizer**, with 8 invited speakers at 88th Annual Meeting of the Population Association of America on inauguration of the Scholarly Migration Database (link) | *New Orleans, USA* |
| 2023 | **Suessmilch Lecture Host and Organizer**, Invited and hosted Cassidy R. Sugimoto for her lecture on "Equity for Women in Science" (link) | *Rostock, Germany* |

| 2022 | **Workshop Organizer,** with 6 invited speakers at European Population Conference on using bibliometric data for demographic research (link) | *Groningen, the Netherlands* |
| 2020 | **Conference Session Organizer,** with Vacca, Raffaele; McCarty, Christopher; Squazzoni, Flaminio on Network Analysis for the Science of Science, 40th INSNA Sunbelt conference | *Virtual* |
| 2020 | **Co-organizer of the second satRday conference in Berlin,** A conference for R users, cancelled due to covid-19 (link) | *Berlin, Germany* |
| 2019 | **Co-organizer of the first satRday conference in Berlin,** A conference for R users (link) | *Berlin, Germany* |

# Reviewing Activities

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| **Journals** | American Sociological Review, Quantitative Science Studies, Social Networks, Journal of Informetrics, Nature - Humanities and Social Sciences Communications, Scientometrics, Journal of Open Source Software, Global Networks, Applied Network Science, Science and Public Policy, European Journal of Education, PLOS ONE EPJ Data Science, Migration Studies |
| **Verified Reviews** | Web of Science reviewer profile (`www.webofscience.com/wos/author/record/193186`) |
| **Grants** | Swiss National Science Foundation (SNSF) |
| **Conferences** | IC2S22024, PAA2024, STI2024, STI2022, ISSI2021, Sunbelt 2020, ISSI & STI2019, STI2018 |
| **Award Committee** | IMPRS-PHDS Annual Academy poster award, 2021 INSNA-Sunbelt Richard's Software Award |
| **Topic Co-Editor** | Frontiers in Research Metrics and Analytics |
| **Panel Member** | 2021 INSNA Diversity, Equity and Inclusion Panel |

# Research Output and Publications

(Publications led by post-graduate students that I mentor are marked with "**")

## Peer-reviewed journal articles

1. **Akbaritabar, A.** Thinking Spatially in Computational Social Science. *EPJ Data Science* **13,** 1–12. doi:10.1140/epjds/s13688-023-00443-0 (2024).
2. **Akbaritabar, A.,** Castro Torres, A. F., Larivière, V., A Global Perspective on Social Stratification in Science. *Humanities and Social Sciences Communications* **11,** 1–10. doi:10.1057/s41599-024-03402-w (2024).
3. **Akbaritabar, A.,** Rubin, B. P., The Evolution of Plasticity in the Neuroscientific Literature during the Second Half of the Twentieth Century to the Presence. *Journal of the History of the Neurosciences.* doi:10.1080/0964704X.2024.2371783 (2024).
4. **Akbaritabar, A.,** Theile, T., Zagheni, E., Bilateral Flows and Rates of International Migration of Scholars for 210 Countries for the Period 1998-2020. *Scientific Data* **11,** 816. doi:10.1038/s41597-024-03655-9 (July 2024).
5. Castro Torres, A. F., **Akbaritabar, A.,** The Use of Linear Models in Quantitative Research. *Quantitative Science Studies,* 1–32. doi:10.1162/qss_a_00294 (2024).
6. ** Zhao, X., **Akbaritabar, A.,** Kashyap, R., Zagheni, E., A Gender Perspective on the Global Migration of Scholars. *Proceedings of the National Academy of Sciences* **120,** e2214664120. doi:10.1073/pnas.2214664120 (2023).
7. Sanliturk, E., Zagheni, E., Dańko, M. J., Theile, T., **Akbaritabar, A.,** Global Patterns of Migration of Scholars with Economic Development. *Proceedings of the National Academy of Sciences* **120.** (Equal contribution of all authors), e2217937120. doi:10.1073/pnas.2217937120 (2023).
8. **Akbaritabar, A.,** Stephen, D., Squazzoni, F., A Study of Referencing Changes in Preprint-Publication Pairs across Multiple Fields. *Journal of Informetrics* **16,** 101258. doi:10.1016/j.joi.2022.101258 (2022).
9. Piolatto, M., Bianchi, F., Rota, M., Marengoni, A., **Akbaritabar, A.,** Squazzoni, F., The Effect of Social Relationships on Cognitive Decline in Older Adults: An Updated Systematic Review and Meta-Analysis of Longitudinal Cohort Studies. *BMC Public Health* **22,** 278. doi:10.1186/s12889-022-12567-5 (2022).
10. **Akbaritabar, A.** A Quantitative View of the Structure of Institutional Scientific Collaborations Using the Example of Berlin. *Quantitative Science Studies* **2,** 753–777. doi:10.1162/qss_a_00131 (2021).
11. **Akbaritabar, A.,** Barbato, G., An Internationalised Europe and Regionally Focused Americas: A Network Analysis of Higher Education Studies. *European Journal of Education* **56,** 219–234. doi:10.1111/ejed.12446 (2021).
12. **Akbaritabar, A.,** Bravo, G., Squazzoni, F., The Impact of a National Research Assessment on the Publications of Sociologists in Italy. *Science and Public Policy.* doi:10.1093/scipol/scab013 (2021).
13. Gao, D., **Akbaritabar, A.,** Using Agent-Based Modeling in Routine Dynamics Research: A Quantitative and Content Analysis of Literature. *Review of Managerial Science.* doi:10.1007/s11846-021-00446-z (2021).
14. **Akbaritabar, A.,** Squazzoni, F., Gender Patterns of Publication in Top Sociological Journals. *Science, Technology, & Human Values.* doi:10.1177/0162243920941588 (2020).
15. **Akbaritabar, A.,** Traag, V. A., Caimo, A., Squazzoni, F., Italian Sociologists: A Community of Disconnected Groups. *Scientometrics.* doi:10.1007/s11192-020-03555-w (2020).

16. **Akbaritabar, A.,** Casnici, N., Squazzoni, F., The Conundrum of Research Productivity: A Study on Sociologists in Italy. *Scientometrics* **114,** 859–882. doi:10.1007/s11192-017-2606-5 (2018).

17. **Akbaritabar, A.,** Hezarjaribi, J., A comparative study on Cyber Social Capital in Persian, English and French speaking users of Facebook and Google plus. *Quarterly Journal of Socio - Cultural Development Studies* **5,** 175–204. http://journals.sabz.ac.ir/scds/article-1-314-en.html (2016).

18. Morteza, N., Hamidreza, M., **Akbaritabar, A.,** Omid, K. H., Amid, R., Psychometric Properties of the Persian Translation of Pittsburgh Sleep Quality Index. *Health Scope* **3.** doi:10.17795/jhealthscope-15547 (2014).

19. Nazifi, M., Mokarami, H. R., **Akbaritabar, A.,** FarajiKujerdi, M., Tabrizi, R., Rahi, A., Reliability, Validity and Factor Structure of the Persian Translation of General Health Questionnire (GHQ-28) in Hospitals of Kerman University of Medical Sciences. *Journal of Fasa University of Medical Sciences* **3,** 336–342. http://jabs.fums.ac.ir/article-1-528-en.html (2014).

20. **Akbaritabar, A.,** Mokarami, H., Nazifi, M., Rahi, A., Mirkamandar, E., Hosseinpouri, M., Psychometric properties of Spector's job satisfaction survey in the Iranian population. *Koomesh* **14.** http://koomeshjournal.semums.ac.ir/article-1-1787-en.html (2013).

21. Eskandaripour, E., **Akbaritabar, A.,** Scientific Study of Radio & TV Webpages in Social Websites. *Quarterly Journal of Communication Research* **20,** 113. doi:10.22082/cr.2013.23567 (2013).

22. Shaverdi, M., Heshmati, M. R., Eskandaripour, E., **Akbaritabar, A.,** Developing Sustainable SCM Evaluation Model Using Fuzzy AHP in Publishing Industry. *Procedia computer science* **17,** 340–349. doi:10.1016/j.procs.2013.05.044 (2013).

## Peer-reviewed conference proceedings

1. **Akbaritabar, A.** *Scientific Collaboration Networks in the Interdisciplinary Field of Biodiversity in Central Germany* in *Proceedings of International Society of Scientometrics and Informetrics Conference* (Bloomington, Indiana, 2023). doi:10.5281/zenodo.8253500.

2. **Akbaritabar, A.,** Stahlschmidt, S., *Merits and Limits: Applying open data to monitor open access publications in bibliometric databases* in *Proceedings of the 17th International Conference on Scientometrics and Informetrics, ISSI 2019, Rome, Italy, September 2-5, 2019* (eds Catalano, G., Daraio, C., Gregori, M., Moed, H. F. & Ruocco, G.) (ISSI Society, 2019), 1455–1461. https://www.issi-society.org/publications/issi-conference-proceedings/proceedings-of-issi-2019/.

## Book chapters

1. Kashyap, R., Rinderknecht, R. G., **Akbaritabar, A.,** Alburez-Gutierrez, D., Gil-Clavel, S., Grow, A., Kim, J., Leasure, D. R., Lohmann, S., Negraia, D. V., Perrotta, D., Rampazzo, F., Tsai, C.-J., Verhagen, M. D., Zagheni, E., Zhao, X., in *Research Handbook on Digital Sociology* 48–86 (Edward Elgar Publishing, 2023). doi:10.4337/9781789906769.00010.

## Datasets, software, and replication materials

1. **Akbaritabar, A.** *Materials for Course on Network Tie Formation Mechanisms* Zenodo. 2024. doi:10.5281/zenodo.12737590. (2024).

2. **Akbaritabar, A.,** Castro Torres, A. F., *Replication Data for: A Global Perspective on Social Stratification in Science* Zenodo. June 2024. doi:10.5281/zenodo.12527944. (2024).

3. Theile, T., **Akbaritabar, A.,** Zagheni, E., *Replication Data for: Bilateral Flows and Rates of International Migration of Scholars for 210 Countries and Areas for the Period 1998-2020* May 2024. doi:10.5281/zenodo.11145735. (2024).

4. **Akbaritabar, A.,** Theile, T., Zagheni, E., *Scholarly Migration Database* 2023. https://scholarlymigration.org/.

5. **Akbaritabar, A.** *Materials for Course on BiblioDemography in IMPRS-PHDS 2022: Using Large-Scale Bibliometric Data for Demographic Research* Zenodo. 2022. doi:10.5281/zenodo.12737586. (2024).

6. **Akbaritabar, A.** *Parallelised Analysis of Large-Scale Bibliometric and Text Data (with Dask in Python, DuckDB and DBeaver in SQL)* Zenodo. 2022. doi:10.5281/zenodo.12737596. (2024).

7. **Akbaritabar, A.** *Parallelised and out of Memory Data Analysis Using Dask in Python and DuckDB and DBeaver in SQL* Zenodo. 2022. doi:10.5281/zenodo.12737606. (2024).

8. **Akbaritabar, A.** *Scientific Collaborations in Berlin and Halle-Jena-Leipzig Regions Presentation* Zenodo. 2022. doi:10.5281/zenodo.12737580. (2024).

9. **Akbaritabar, A.** *Xaringan Presentation Format with MPIDR Template* Zenodo. 2022. doi:10.5281/zenodo.12737564. (2024).

10. **Akbaritabar, A.,** Zhao, X., *Materials for Workshop on "Using Bibliometric Data in Demographic Research"* Zenodo. 2022. doi:10.5281/zenodo.12737600. (2024).

11. **Akbaritabar, A.** *Scripts Needed to Replicate Methodology Used in "A Quantitative View of the Structure of Institutional Scientific Collaborations Using the Example of Berlin" Published in Quantitative Science Studies.* Zenodo. Apr. 2021. doi:10.5281/zenodo.4657326. (2024).

12. **Akbaritabar, A.** *Google Scholar R Shiny Application* Zenodo. 2020. doi:10.5281/zenodo.12737546. (2024).

13. **Akbaritabar, A.** *Kalick and Hamilton, 1986, Agent Based Model Replicated Using Mesa in Python* Zenodo. 2020. doi:10.5281/zenodo.12737542. (2024).

14. **Akbaritabar, A.** *Replication Materials for "The Impact of a National Research Assessment on the Publications of Sociologists in Italy" to Appear in Science and Public Policy* Zenodo. Aug. 2020. doi:10.5281/zenodo.3974108. (2024).

## Preprints and working papers

1. ** Abdi Nur, A., **Akbaritabar, A.,** Vignau Loria, M., Coolman, N., Fan, X., Curran, S., *Bibliometric Analysis of Published Literature on the Determinants of Family Planning* tech. rep. WP-2023-027 (Max Planck Institute for Demographic Research, Rostock, 2023), WP-2023–027. doi:10.4054/MPIDR-WP-2023-027.
2. ** Kim, J., Vishnoi, S., Carrasco, I., Cortés, J., Liang, Y., Lauber, M., **Akbaritabar, A.,** Basellini, U., Zagheni, E., *Global Gender Gap in the Scientific Workforce: Analyzing and Forecasting Bibliometric Data* 2023.
3. ** Walk, E., **Akbaritabar, A.,** *Scholarly Migration and Collaboration Worldwide: A Word Embedding Representation* 2023.
4. ** Zhao, X., **Akbaritabar, A.,** Kashyap, R., Zagheni, E., *Gender Differences in Online Visibility of Early-Career Researchers: Are Men More Likely to Gain Mentions on Twitter and Benefit More* 2023.
5. **Akbaritabar, A.,** Bornmann, L., Haunschild, R., *A Bibliometric Perspective on Global Mobility of Academic Talents* 2023.
6. **Akbaritabar, A.,** Daňko, M. J., Zhao, X., Zagheni, E., *Sub-National Disparities in the Global Mobility of Academic Talent* Rostock, 2023. doi:10.4054/MPIDR-WP-2023-038.
7. Gao, D., **Akbaritabar, A.,** *Motivations Behind Scholarly Collaboration and Migration: An Agent-Based Model* 2023.
8. **Akbaritabar, A.** *Dichotomy of Offline Versus Online Social Capital* SSRN Scholarly Paper. Rochester, NY, 2022. doi:10.2139/ssrn.4311832.
9. **Akbaritabar, A.,** Stahlschmidt, S., *Applying Crossref and Unpaywall Information to Identify Gold, Hidden Gold, Hybrid and Delayed Open Access Publications in the KB Publication Corpus* Preprint (SocArXiv, 2019). doi:10.31235/osf.io/sdzft.
10. **Akbaritabar, A.,** Hezarjaribi, J., Jullien, N., A Tool for Dynamic Measurement of Social Capital Embedded in Online Social Networks. *Grafo Working Papers* **4,** 1–30. doi:10.5565/rev/grafowp.14 (2015).

## Dissertations, and other journals

1. **Akbaritabar, A.** *Quantitative Sociology of Academic Work in an Era of Hypercompetition and Rankings* PhD thesis (Università degli Studi di Milano, 2019). doi:10.13130/AKBARITABAR-ALIAKBAR_PHD2019-04-16.
2. **Akbaritabar, A.** *Interactive Dashboard on Key Actors in Higher Education Research and Science Studies (HERSS)* German Center for Higher Education Research and Science Studies (DZHW). Federal Ministry of Education and Research (BMBF), 2018. https://akbaritabar.github.io/CV_MD/herss_world_map_flexdashboard.html.
3. **Akbaritabar, A.** *Iranian's Cyber Social Capital; Background Factors and Outcome* PhD thesis (Allameh Tabataba'i University, Tehran, Iran, 2017).
4. Squazzoni, F., **Akbaritabar, A.,** Internationalizing Sociology in Italy, 1970s-2010s. **7,** 10–11. https://globaldialogue.isa-sociology.org/articles/internationalizing-sociology-in-italy-1970s-2010s (2017).
5. **Akbaritabar, A.** *A study on online social networks: case study of Doreh and U24* Master of Sociology (Tarbiat Modares University, Tehran, Iran, 2011).

# Invited Talks

| 2024 | **A global perspective on social stratification in science,** Centre for Demographic Studies (CED), Autonomous University of Barcelona | *Barcelona* |
|---|---|---|
| 2024 | **Using digital trace data to study migration, social and collaboration networks,** University of Edinburgh (job talk) | *Edinburgh - Virtual* |
| 2024 | **Using digital trace data to study migration, social and collaboration networks,** Trinity College Dublin (job talk) | *Dublin - Virtual* |
| 2024 | **The Scholarly Migration Database,** Webinar on innovations in data infrastructure for the longitudinal study of international migration, IUSSP Scientific Panel on Lifetime Migration (link) | *Virtual* |
| 2024 | **Computational Approaches to Migration Research,** University of St Andrews (job talk) | *St Andrews - Virtual* |
| 2023 | **Using digital trace data to study migration, social and collaboration networks,** Central European University (job talk) | *Vienna, Austria* |
| 2023 | **Tie formation mechanisms in social networks,** Central European University (job talk) | *Vienna, Austria* |
| 2023 | **Quantifying the mobility and migration of scholars worldwide,** Scientific Mobility Conference, University of Granada | *Granada - Virtual* |
| 2023 | **Computational Approaches to Migration Research,** University of Rostock (job talk) | *Rostock, Germany* |
| 2022 | **Internal and international migration of scholars worldwide,** RISIS research seminars (link) | *Lugano - Virtual* |
| 2022 | **Methodological monotheism across fields of science in contemporary quantitative research,** Canada Research Chair on the Transformations of Scholarly Communication (with Andres Castro) | *Montreal - Virtual* |
| 2022 | **Internal and international migration of scholars worldwide,** University of Koblenz (job talk) | *Koblenz, Germany* |

| 2022 | **Plasticity: the anchor concept of the neurosciences,** Robert Merton Centre for Science Studies, Humboldt-Universität zu Berlin (with Beatrix Rubin) | *Berlin, Germany* |
| 2022 | **Cyber Social Capital, Scientific Collaboration, and Scholarly Migration; Three studies through the lens of social network analysis,** University of Utrecht (job talk) | *Utrecht - Virtual* |
| 2022 | **Cyber Social Capital, Scientific Collaboration, and Scholarly Migration; Three studies through the lens of social network analysis,** University of Oxford (job talk) | *Oxford - Virtual* |
| 2022 | **Internal and international migration of scholars worldwide,** Canada Research Chair on the Transformations of Scholarly Communication | *Montreal - Virtual* |
| 2021 | **Internal and international migration of scholars worldwide,** 3rd Thematic workshop "Migration and Big Data", French Collaborative Institute on Migration, CNRS | *Paris - Virtual* |
| 2020 | **Italian sociologists: a community of disconnected groups,** The Mitchell Centre for Social Network Analysis seminars (video) | *Manchester - Virtual* |
| 2020 | **A Network Analysis Study on the Internationalization of Higher Education Research,** University College London (UCL) Virtual workshop for the special issue of European Journal of Education (with Giovanni Barbato) | *London - Virtual* |
| 2019 | **Merits and Limits: Applying open data to monitor open access publications in bibliometric databases,** Workshop on Matching procedures for Unpaywall and Web of Science, Bielefeld University | *Bielefeld, Germany* |
| 2019 | **A spatial scientometric and network analysis of Higher Education Research and Science Studies (HERSS),** International symposium on Academia in the Age of Comparison, Leibniz Center for Science and Society (LCSS) of Hanover University | *Hanover, Germany* |
| 2019 | **Dashboards for academic reports? Introducing Key Actors in Higher Education Research and Science Studies (HERSS Dashboard),** Research Colloquium, German Center for Higher Education Research and Science Studies (DZHW) | *Berlin, Germany* |
| 2018 | **A quantitative sociology of academic work in an era of hypercompetition and rankings,** Centre for Science and Technology Studies (CWTS) seminars | *Leiden, the Netherlands* |
| 2018 | **Gender and ethnic patterns of publication in top sociology journals,** Research Group in Experimental and Computational Sociology, University of Brescia | *Brescia, Italy* |
| 2017 | **Cyber Social Capital: A comparative SNA study on a sample of English, French and Persian speaking users of Facebook and Google plus,** Iranian Sociological Association | *Tehran, Iran* |
| 2017 | **Contexts that matter the most: Institutional embeddedness of research productivity of sociologists in Italy,** Research Group in Experimental and Computational Sociology, University of Brescia | *Brescia, Italy* |
| 2013 | **Organizational Network Analysis: How Social Media will change the way Information is shared in Organizations,** Second National Conference on Social Media day | *Tehran, Iran* |
| 2013 | **How Online Social Networks shape youth's Lifestyle and Leisure time,** National Congress on Lifestyle and Leisure Time | *Shiraz, Iran* |
| 2011 | **Book-based Group Activities in Social Networking Sites, Case study of U24.ir,** Conference on Book and Social Media | *Tehran, Iran* |
| 2011 | **How to use SNA in study of online social networks,** Conference on Online Social Networks and Everyday Life | *Tehran, Iran* |
| 2011 | **Youth Responsibility In Online Social Networks: Case Study of U24.ir,** National Conference on Youth Responsibility | *Shiraz, Iran* |

# Conference Presentations

**International Conference on Computational Social Science (IC$^2$S$^2$)**

2015, Northwestern University; 2019, Amsterdam; 2021, ETH Zurich; 2022, Chicago - Virtual (1 talk, 1 poster); 2023, Copenhagen (3 talks, 1 poster)

**Conference of the International Network for Social Network Analysis (INSNA - Sunbelt)**

2015, Brighton; 2018, Utrecht; 2020, Virtual (1 organized track); 2021, Networks 2021: A Joint Sunbelt and NetSci Conference; 2022, Carins - Virtual (2 talks); 2023, Portland - Virtual (2 talks)

**International School and Conference on Network Science (NetSci) & European Conference on Social Networks (EUSN)**

2016, EUSN Paris; 2021, Networks 2021: A Joint Sunbelt and NetSci Conference, Virtual; 2023, NetSci Vienna (1 talk, 1 session as chair)

**Biannual Conference of the International Society for Scientometrics and Informetrics (ISSI)**

2019, Rome; 2023, Indiana - Virtual

**Annual Meeting of the Population Association of America (PAA)**

2022, Atlanta - Virtual (2 talks); 2023, New Orleans (1 workshop with 8 invited speakers); 2024, Columbus (2 as co-author, 2 posters, 1 session as discussant)

**European Population Conference (EPC) & International Population Conference (IPC)**

2021, IPC Virtual (2 talks); 2022, EPC Groningen (1 talk, 1 workshop with 6 invited speakers); 2024, EPC Edinburgh (3 as co-author, 1 talk)

**Other Conferences**

2010, Integrated Conference of Metallurgy Engineers, Tehran; 2011, National Conference on Medical Education, Mashhad

**Other Sociology or Demography Conferences**

2011, International Technology, Education and Development (INTED) Conference, Valencia - Virtual; 2019, Conferenza Nazionale delle Dottorande e dei Dottorandi in Scienze Sociali, Sapienza University, Rome; 2018, Rome and 2020, Valencia - Virtual, New Frontiers of Peer Review (PEERE); 2021, Methodological Innovations in Research on Spatial Mobility: Potentials and Pitfalls, Hanover - Virtual; 2022, IMISCOE annual conference, Oslo - Virtual; 2023, AISP-SIS, PopDays, Rome; 2023, German Federal Institute for Population Research 50th anniversary, Wiesbaden; 2023, British Society for Population Studies Annual Conference (BSPS), Keele

# Membership in Scientific Societies

**2023-2025: Population Association of America (PAA); 2022-2026: European Association for Population Studies (EAPS); 2022-2023: International Migration Research Network (IMISCOE); 2015-2016 and 2020-2021: The International Network for Social Network Analysis (INSNA); 2011-2015: The Iranian National Association of Social Welfare**

# Public Outreach and Other Services

| | |
|---|---|
| 2023 | **Podcast Guest,** PNAS Science Sessions Podcast with X. Zhao, R. Kashyap and E. Zagheni on "Gender gap among migrant scientists" (link) |
| 2023 | **Contributor,** Awesome Computational Social Science GitHub Repository (link) |
| 2023 | **Written post,** International Union for the Scientific Study of Population (IUSSP), description of the workshop on the inauguration of the Scholarly Migration Database at PAA2023 (link) |
| 2022 | **Written post,** International Union for the Scientific Study of Population (IUSSP), description of the workshop on using bibliometric data for demographic research (link) |
| 2022 | **Contributor,** Published social network surveys and software GitHub repository (link) |
| 2022 | **Interview,** MPIDR's press department on "How to Use Bibliometric Data for Demographic Research" (link) |
| 2022 | **Public talk,** African Science Day titled "Development and Global Migration of Scholars: Trends and Patterns revealed by Bibliometric Data", African Development Initiative e.V. (ADI e.V.) *Rostock, Germany* |
| 2022 | **Translator,** Contributed to Persian translation of the Declaration on Research Assessment (DORA) (link) |
| 2021 | **Interview,** MPIDR's press department on "New Researcher at the Digital and Computational Demography Lab" (link) |
| 2020- | **Maintainer,** Calendar of Computational Social Science Events Worldwide (link) |
| 2015 | **Interview,** M@rsouin institute about Social Village (link) |
| 2011-2015 | **Blogger,** Accessible scientific contents about Social Network Analysis. (104 posts in Persian) (link) |

# Additional Training

**10th Annual Berkeley Workshop in Formal Demography** *Berkeley*

Instructors: Robert Chung, Dennis Feehan, Ayesha Mahmud, Joshua Goldstein at UC Berkeley (link) *03-07/06/2024*

**Introduction to Machine Learning and Predictive Modeling** *Rostock*

Instructor: Samin Aref from University of Toronto hosted at MPIDR (link) *05/2023*

**Media Training Workshop** *Virtual*

Instructors from Econnect Communication (link) *15-16/05/2023*

**Inspirational Leadership and Supervision** *Rostock, Germany*

Instructor: Daniel Mertens (link) *21-22/02/2023*

**Science of Science Summer School (S4)** *Virtual*

School of Information Studies at Syracuse University *26-30/07/2021 - 02-06/08/2021*

Instructors: Daniel Acuña, Stephen David, et al. (link)

**Topics in Digital and Computational Demography** *Virtual*

International Max Planck Research School for Population, Health and Data Science (IMPRS-PHDS, IDEM187) *9-13/11/2020*

Instructors: Diego Alburez-Gutierrez, Samin Aref, André Grow, Emilio Zagheni (link)

**Academic English Writing** *Berlin, Germany*

BIEN Soft Skill Workshops, The German Institute for Economic Research (DIW) *9/04/2019*

Instructor: Tim Korver (link)

**Analyzing network dynamics and peer influence processes with RSiena** *Utrecht, the Netherlands*

XXXVIII Sunbelt Conference on Social Network Analysis *26/06/2018, 6 hours: 9:00-16:00*

Instructors: Christian Steglich, Robert Krause

**Visualizing Social Networks. How to Create Meaningful and Compelling Network Drawings** *Utrecht, the Netherlands*

XXXVIII Sunbelt Conference on Social Network Analysis *27/06/2018, 3 hours: 9:00-12:00*

Instructors: Juergen Pfeffer, Mirco Schonfeld

**Bibliometric Network Analysis and Science Mapping Using VOSviewer** *Leiden, the Netherlands*

The Centre for Science and Technology Studies (CWTS), Leiden University *12-13/04/2018*

Instructors: Ludo Waltman, Nees Van Eck (link)

**Agent-based modelling for social scientists** *Brescia, Italy*

Summer school at the University of Brescia *4-8/09/2017*

Instructors: Flaminio Squazzoni, Simone Gabbriellini, Nicolas Payette, Federico Bianchi

**Python for social scientists** *Trento, Italy*

Spring school at the University of Trento *12-13/04/2017*

Instructor: Jonathan Bright (Oxford Internet Institute)

**Agent-based modelling for social scientists** *Brescia, Italy*

Summer school at the University of Brescia *20-24/06/2016*

Instructors: Flaminio Squazzoni, Simone Gabbriellini, Federico Bianchi

**Analysis of Longitudinal Social Network Data using RSIENA** *Paris, France*

2nd European Conference on Social Networks (EUSN) *14/06/2016, 3 hours: 9:00-12:00*

Instructors: Tom Snijders, Christian Steglich

**Temporal Exponential Random Graph Model (TERGM)** *Paris, France*

2nd European Conference on Social Networks (EUSN) *14/06/2016, 3 hours: 16:30-19:30*

Instructors: Lorien Jasny, Michal Bojanowski

**Social Networks and Organizations** *Lugano, Switzerland*

Doctoral course as seminar series at the Italian University of Switzerland (USI) *Apr. 2016 - Jun. 2016*

Instructors: Alessandro Lomi, Christoph Stadtfeld, Per Block, Viviana Amati, Paola Zappa

**Exponential Random Graph Models (ERGMs) for statistical analysis of Network data** *Lugano, Switzerland*

2nd edition Spring school at the Italian University of Switzerland (USI) *18-20/04/2016*

Instructors: Garry Robins, Alessandro Lomi, Paola Zappa

**Personal Network Analysis (PNA)** *Barcelona, Spain*

8th edition of Summer school at the Autonomous University of Barcelona (UAB) *6-10/07/2015*

Instructors: Jose Luis Molina, Miranda Jessica Lubbers, Jürgen Lerner, Raffaele Vacca, Alejandro García Macías

# Skills

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|---|---|
| **Languages** | **Persian (Farsi)** and **Qashqai**: as mother tongues; **English**: TOEFL IBT 2015, 96/120 (R: 23, L: 24, S: 22, W: 27); **Arabic**: Basic level in reading and writing; **Italian**: B1, University of Bergamo certificate; **German**: B1, TELC certificate |
| **Programming** | **R and Python**: Parallelized extract, transform, and load (ETL), network analysis, text analysis, web scrapping, dynamic reports, Shiny, R-Markdown; **SQL**: Tabular databases: Oracle, PostgreSQL; In-memory databases: DuckDB; Graph Databases: ArangoDB |
| **Statistical** | SPSS, Stata, R, Python |
| **Networks** | iGraph, Pajek, Ucinet, NodeXL, Gephi, Cytoscape |
| **Simulation** | Agent-Based Modelling (ABM) in NetLogo and Mesa Python |
| **Version control** | Git, GitHub, GitLab |
| **Office; OS** | Microsoft Office Programs, LibreOffice; Windows, Linux, Mac iOS |
| **Typesetting** | LaTeX, Markdown |
| **Qualitative** | RQDA |
| **IDE** | VS-Code, Jupyter, RStudio, DBeaver, Command-line terminal |
| **Other** | • 01/06/2023 - present, **Certified fire protection helper** (Brandschutzhelfer) at MPIDR, training at AFZ Rostock<br>• 24/02/2024 - present, **Certified first aid helper** at MPIDR, training at Malteser Rostock<br>• 2024, Certificate for **Good Clinical Practice in Social and Behavioral Research** course by National Institutes of Health<br>• Running and cycling (Strava personal, DemogRunner club) |