Tommaso Trulli

Nationality: Italian | **DoB:** 28 Sep 1998

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Profile

I specialize in the quantitative analysis of social phenomena, with a particular focus on network analysis and computational modeling. My research aims to apply rigorous methodological frameworks and advanced analytical techniques to explore the structure and dynamics of social systems.

Education

Master's degree in Sociology and Social Research   **[21 Oct 2022 – 18 Mar 2025]**

University of Trento, Trento, Italy

Final grade: 110 cum laude /110

Thesis: *Computational Proxemics: Detecting Social Structures Using Wearable Proximity Sensors*

Main subjects:

- Advanced Social Network Analysis (network research design, community detection, ERGM and SIENA models)
- Digital Social Data (text mining, including topic modeling, sentiment and emotion analysis; network analysis applied to digital data)
- Quantitative Methods (multivariate analysis, OLS and logistic regression)
- Public Opinion Research (factor analysis and multilevel modeling)

Main seminar:

- Introduction to Machine Learning for Social Sciences (logistic regression, decision trees and random forests)

Bachelor's degree in Sociology   **[22 Sep 2019 – 5 Oct 2022]**

Sapienza Università di Roma, Rome, Italy

Final grade: 110 cum laude /110

Thesis: *La ricerca qualitativa: I presupposti epistemologici, le difficoltà metodologiche e le opportunità pratiche*

High School Diploma, *Liceo delle Scienze Umane*   **[12 Sep 2013 – 10 Aug 2018]**

Istituto Istruzione Superiore "N. Turriziani", Frosinone, Italy

Field of study: Social Sciences, socio-economic focus

Final grade: 100 cum laude /100

Conference Participation

INSNA (International Network for Social Network Analysis) | Sunbelt 2025

Bison, I., *Trulli, T.*, Tizzoni, M., Molteni, D., Murphy, A. L., & Picco, G. P. *"Combining Wearable Proximity Sensing and Digital Time Diaries for Longitudinal Network Data Collection." INSNA Sunbelt 2025*, Paris, France, June 2025. (*Accepted for oral presentation*)

IC2S2 (International Conference on Computational Social Science) | 2025

Bison, I., *Trulli, T.*, Tizzoni, M., Molteni, D., Murphy, A. L., & Picco, G. P. *"Reconstructing Interactional Networks through Wearable Proximity Sensors and Digital Time Diaries." IC2S2 2025*, Norrköping, Sweden, July 2025. (*Accepted for poster presentation*)

Publications

Trulli, T., Schiavo, L., Sacchetti, S., & Diani, M. (2025). *Il senso di fare circolo: I circoli culturali nella comunità trentina. Quaderni del Dipartimento di Sociologia e Ricerca Sociale*, (11). *(Departmental publication)*

Trulli, T., Schiavo, L., Sacchetti, S., & Diani, M. (2025). *Il senso di fare teatro: I teatri amatoriali nella comunità trentina. Quaderni del Dipartimento di Sociologia e Ricerca Sociale*, (12). *(Departmental publication)*

Trulli, T., Schiavo, L., Sacchetti, S., & Diani, M. (2025). *Il senso di fare coro: I cori amatoriali nella comunità trentina. Quaderni del Dipartimento di Sociologia e Ricerca Sociale*, (13). *(Departmental publication)*

Experience

Research Assistant   **[Jun – Sep 2024]**

University of Trento, Trento, Italy

As a research assistant, I conducted statistical analyses on data from cultural associations in Trentino and produced three reports on volunteers in cultural clubs, theatre companies, and choirs, highlighting demographic patterns, participation trends, and organizational dynamics.

Teaching Assistant | *Networks and Culture*   **[Mar – Jun 2024]**

University of Trento, Trento, Italy

As a teaching assistant for the undergraduate course *Networks and Culture*, I supported the instructor in preparing course materials, tutored students on network analysis assignments, and led lab sessions using NodeXL and R.

Intern | *The Center for Computational Social Sciences and Human Dynamics (C2S2)* **[Feb – Aug 2024]**

University of Trento, Trento, Italy

During my internship at C2S2, I contributed to the deployment of a pilot study on student behavior, supporting the setup of data collection procedures involving wearable proximity sensors. I also assisted in the data cleaning process for sensor data, ecological momentary assessment (EMA) data, and network data.

Skills

Language Skills

Mother tongue: Italian

Other language: English (IELTS Academic)

Listening C2 | **Reading** C1 | **Writing** B2 | **Spoken Production** C1 | **Spoken Interaction** C1

CEFR levels: A1/A2 = Basic • B1/B2 = Independent • C1/C2 = Proficient

Research Software Skills

- **Statistical analysis:** Python, R, Stata
- **Qualitative data analysis:** ATLAS.ti
- **Survey design and implementation:** LimeSurvey
- **Productivity tools:** Microsoft Office (Word, Excel, PowerPoint)