

# Nicholas E. Reith

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## PROFILE

Data scientist with a strong background in statistical research, programming, big data wrangling, analysis and visualization. Sociologist experienced in summarizing methods/results for non-technical audiences.

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## SKILLS AND INTERESTS

**Programming:** R, STATA, PYTHON, SQL, L<sup>A</sup>T<sub>E</sub>X, BASH, TABLEAU, ARCGIS, GIT, & HTML/CSS

**Data Skills:** Bit data wrangling/cleaning, Missing data/imputation, Networks, Spatial, and Visualization

**Quantitative Methods:** Regression techniques (Multivariate, Categorical, Factor analysis, Structural and simultaneous equations, Event history / Survival analysis, Multi-level / Hierarchical linear, Time-series / Longitudinal, Spatially-weighted, Bayesian prediction), Outliers and other Diagnostics, Research design, Network analysis, and Genetic algorithms

**Languages:** Fluent in French, Spanish and Arabic.

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## EDUCATION

**Ph.D.** – University of Texas at Austin (Sociology) Expected August 2016

- Dissertation: *“Missing Data”: Revising Political Sociology with Overlooked Data*
- Four peer-reviewed, published journal articles. See online: <http://www.nicholasreith.com/vitae/>

**Fulbright Fellowship** – (Damascus, Syria) 2004-2005

**M.A.** – Georgetown University (Arab Studies/Politics), *with Honors & Cum Laude* 2004

**B.A.** – New York University (French, Spanish, Religious Studies), *with Honors & Magna Cum Laude* 2002

**Other Education:** *L’Institut Français du Proche-Orient* (Damascus), Columbia University (New York), *L’Institut Catholique* (Paris), and *Instituto Internacional* (Madrid)

**Honors & Awards:** Numerous scholarships/fellowships for B.A., M.A., Fulbright, and Ph.D.

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## RECENT EXPERIENCE

**Research Assistant & Statistical Consultant** @ The University of Texas at Austin 2011-2016

- Lead programmer and research assistant/consultant on a number of large data projects.
- Performed complex statistical analyses and diagnostics (See Quantitative Methods above).
- Developed new methods for to solve complex problems, including network imputation.
- Managed/cleaned large datasets including survey, network, and machine-coded, spatial data.
- Collaborated with numerous experts in the field to collect, evaluate, and analyze data.
- Wrote-up and presented methods and statistical results for diverse non-technical audiences.
- Provided data and statistical consulting advice to Professors and graduate students.

**Teaching Assistant** @ The University of Texas at Austin 2012, 2014, 2016

- Taught advanced statistics and programming to Ph.D. students. (3 semesters).
- Designed lab tutorial series for Stata programming.
- Taught undergraduate Introduction to Social Statistics lab. Summer 2016
- Coordinated with Professors to design and grade exams and assignments.

**T<sub>E</sub>Xpert** @ Overleaf.com 2014-2016

- Provided technical support to L<sup>A</sup>T<sub>E</sub>X users and problem-solving for complex documents.
- Designed L<sup>A</sup>T<sub>E</sub>X templates, including a journal article manuscript.

**Special Assistant & Senior Researcher** @ The United Nations Development Programme 2005-2010

- Policy/program advisor. | Speech/grant/report writing. | Diplomatic liaison. | Strategic planning.
- Program management. | Monitoring/evaluation. | Capacity development. | Curriculum design.