

# ARNAUD MAUREL

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## EDUCATION AND RESEARCH EXPERIENCE

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**Columbia University**, New York, NY 2018 - 2023 (expected)

**Ph.D., Political Science, minor in Statistics and Game Theory** - GPA: 4.0

**Dissertation:** Municipal Bond Politics in the United States (1967-2020)

- Analyzed the bond issuances and budgets of 17,000+ U.S. cities over 60 years, working with 2M+ data points in R
- Managed a 3-person team and \$5,000 budget for the data collection of 5,000+ bond ballot measures in the United States
- Constructed predictive models of bond referendum success
- Built a game-theoretic model to explain how countries could strategically default on their debt
- Constructed algorithms to estimate demographics for 340,000 electoral precincts in California using geospatial tools in R

**Sciences Po**, Paris, France 2015 - 2017

**M.A., Political Science, full coursework in Statistics** - GPA: 17.8/20 - *Summa Cum Laude* (Top 3%)

**Thesis:** Redistricting and Local Taxation in Iran (1989-2017)

- Carried out, in Iran, 60+ interviews with officials and archival research of 500 parliamentary minutes in Persian
- Programmed network analysis of 10,000 French officials' biographical data in R as part of an international research team

**Sciences Po**, Paris, France 2012 - 2015

**B.A., Political Science and Law** - GPA: 16.4/20 - *Cum Laude* (Top 10%)

- Selected among 900 students for a year abroad at U.C. Berkeley in 2014-2015 (GPA: 4.0)

## PROFESSIONAL EXPERIENCE

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**Columbia University**, New York, NY Sept 2018 - current

**Statistics and Game Theory Instructor**

- Taught 5 PhD-level courses on game theory, causal inference, and econometrics and was rated 4.94/5 by students
- Led weekly recitations for 30+ students each semester and designed problem sets focusing on applied skills in mathematics
- Created 10+ tutorials on programming (natural language processing, survey design, etc.) training 100+ graduate students

**OECD - Directorate for Public Governance**, Paris, France July 2017 - July 2018

**Quantitative Analyst**

- Created statistical methodology to evaluate digital transformation strategy of Colombian government in 1,300+ municipalities serving 45M citizens
- Monitored implementation of reforms that contributed to Colombia ranking 3<sup>rd</sup>/33 on the 2019 OECD Digital Gov. Index

## LEADERSHIP EXPERIENCE

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**Graduate Consulting Club, Columbia University**, New York, NY Sept 2021 - current

**Board Member and Director of Content**

- Expanded consulting-related content (casebooks, interview preparation, industry primers) for 1,000+ members

**Center for Teaching and Learning, Columbia University**, New York, NY May 2021 - current

**Lead Teaching Fellow**

- Mentored 90+ graduate instructors on best teaching practices and supervised their teaching content
- Designed 6 tutorials on pedagogy (public speaking skills, inclusive teaching, etc.) training 50+ graduate instructors

## SKILLS AND PERSONAL

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**Software** Excel, PowerPoint, R, Python, ArcGIS  
**Language** French (native), English (fluent), Spanish (intermediate), Persian (intermediate), Turkish (basic)  
**Interests** Long practice of theater, Russian literature, running (half-marathon personal record: 1h32)