

Tristán Ignacio Gramsch Calvo

Data scientist

Data scientist and sociologist with over 3 years of experience in building data intensive applications while overcoming complex architectural and scalability issues. Proficient in data architecture, predictive modeling, and project design, as well as programming languages including R and Python. Capable of creating, developing, testing, and deploying highly adaptive applications to translate data into substantial deliverables for organizational development and policy making.



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WORK AND RESEARCH EXPERIENCE

Data science fellow Cook County Assessor's office

02/2020 - 02/2021

Chicago, IL

County government office that establishes property assessments.

Achievements/Tasks

- Develop an all-encompassing reporting infrastructure capable of producing 'ratio studies' for every combination of geographies, years, and property types. Automatically produced 378 reports, each able to digest new data and change accordingly.
- Developed Shiny application for users to interact with the reporting infrastructure.
- Produce ETLs to generate data deliverables for internal usage and application development.
- Produce statistical models to predict rent prices of apartments in Cook County.
- Deployed an automatized integrity check of department's data.

Graduate Student Researcher University of Chicago

08/2018 - 08/2019

Chicago, IL

Achievements/Tasks

- Manage full cycle independent IRB approved research project.
- Conduct in depth interviews to assess with whom and why drug addicts vent their emotions.
- Conduct causal inference analysis using propensity score based methods. Observed the true effect of a small class on learning outcomes.
- Use GeoDA to visualize a the distribution of drug related crime in Chicago.

EDUCATION

Master of arts in the Social Sciences University of Chicago

08/2018 - 08/2019

Chicago, IL

SKILLS

Machine learning

Architecture development

Project management and design

Agile methodologies

Application development

TECHNICAL SKILLS

Programming languages

- R, Python. Proficiency with Shiny, and sklearn.

Development and database handling

- Git, SQL, Jekyll, Docker.

ACHIEVEMENTS

International Innovation Corps Fellowship, Harris School of Public Policy at The University of Chicago.

Funding for research to evaluate and create solutions for social policy.

Awarded with 'Becas Chile'

Prestigious scholarship covering full tuition and expenses at The University of Chicago.

Outstanding thesis award for BS thesis.

Universidad de Chile, 2017.

LANGUAGES

English

Native or Bilingual Proficiency

Spanish

Native or Bilingual Proficiency

INTERESTS

Social Good

Community building

Basketball

Music