

TRISTÁN IGNACIO GRAMSCH CALVO

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PROFILE

The Cook County Assessor's office faced a corruption scandal. To address it, the office decided to create an all-encompassing reporting infrastructure. I am the lead data scientist of this epic. I have created a data pipeline that deals with the office's complex data architecture. Using R, SQL, and Git, I managed to automatize the reporting process for all geographic areas, years, and property types there are; as well as current and new data.

Now I want to use my data scientist skills for my passion: health. For years, I have studied the effects of social networks on drug addiction. I have closely followed the overdose epidemic that is currently affecting the US. I am ready to commit myself fully to reduce overdoses and harmful drug consumption in the US.

METHODOLOGICAL TRAINING

Advanced technical skills: R, SQL, Git, Markdown

Intermediate technical skills: LaTeX, MAXQDA, Geoda – Spatial Data

Relevant Skills: Data architecture; Proficiency in managing productive remote teams; Proficiency in research, data collection and analysis; Human subject experiments; Statistical analysis

EDUCATION

University of Chicago, Master of Arts Program in the Social Sciences 2018 - 2019

Thesis title: "Distant, disposable, or similar: why drug users discuss hurtful topics with people they do not consider close". To be published at the 2021 NIAS Conference procedures

Advisor: Reuben Miller, PhD

Universidad de Chile, BS in Sociology 2012 - 2018

Thesis title: "The importance of open communication in Substance Dependent Individuals' rehabilitation a case study".

Advisor: Rodrigo Asún, PhD

Academic excellence award (top 10% cohort performance)

WORK AND RESEARCH EXPERIENCE

Cook County Assessor's Office 2020 - Present

Fellow data scientist

Deployed infrastructure to massively produce reports. All possible combinations of parameters are included. Every combination of parameters gets a single report. Developed Shiny application for user to activate the infrastructure.

Responsible for creating statistical models to predict rent prices of apartments in Cook County

Deployed an automatized integrity check of department's data

University of Chicago 2018 - 2019

Graduate Student Researcher, Social Sciences Division

Managed full cycle independent research project; Gained knowledge of IRB protocols

Conducted in depth interviews to assess with whom and why drug addicts vent their emotions; Analyzed data using MAXQDA

Graduate Coursework & Projects

Conducted causal inference analysis using propensity score based methods. Observed the true effect of

a small class on learning outcomes

Used GeoDA to visualize a the distribution of drug related crime in Chicago.

Research Assistant

2017 - 2018

For Rodrigo Asún, Sociology Department, 'Universidad de Chile'

Conducted literature research to formulate explanations of student's social movement

Analyzed newspaper text using Excel and proposed methodological corrections to the approach

Universidad de Chile

2017 - 2018

Undergraduate Student Researcher, BS Thesis Project, Sociology program

Conducted semi-structured interviews to assess talking behaviors of drug addicts

Criticized American Psychological Association's manual (APA) for not considering social network factors to define drug addiction

ACADEMIC AWARDS

'Becas Chile' Award (prestigious scholarship covering full tuition/expenses), University of Chicago 2018

Merit-Based scholarship of Half Tuition, University of Chicago 2018

Outstanding thesis award for BS thesis, Universidad de Chile 2017

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

Expected to do research to evaluate and create solutions for social policy February, 2020 - present

ADDITIONAL TRAINING AND ACADEMIC ACTIVITIES

Completed 'How to manage a remote team', lectured by Gitlab 2020

MAPSS/MACS Summer Math Camp, University of Chicago 2018

Board Member, 'Némesis' Student Academic Yearly Magazine - Social Sciences Faculty, Universidad de Chile 2013-2018

Co-Founder, System Theory and Complexity Study Group, Universidad de Chile 2016-present

PUBLICATIONS

Gramsch, T (2020). Psychiatric blindspot: how widespread definitions of drug addiction miss social network factors. ICSHI 2021: 15 Conference procedures. To be published in 2021. Baecker, D. (2017).

Teorías sistémicas de la comunicación. Revista Mad, (37), 1-20. English translation by Tristán Gramsch

Gramsch, T (2016). Análisis crítico de Estándares de Evaluación para América Latina y el Caribe, propuesta de la Red de Seguimiento, Evaluación y Sistematización de Latinoamérica y el Caribe, 2016. Red Internacional de Evaluación, 1-25

Gramsch, T (2015). El libro de la Comunicación. Editorial Isidora Cartonera. Santiago, Chile

Gramsch, T (2013). Desastres Socionaturales: La sequía en la provincia de San Felipe y cómo afecta a la población de Las Coimas. Cuadernos de Crisis y emergencias, (13) Vol. 1, 95-102

CONFERENCE PRESENTATIONS

"Psychiatric blindspot: how widespread definitions of drug addiction miss social network factors"

To be presented and published at the 'ICSHI 2021: 15. International Conference on Sociology of Health and Illness'

"Building a more transparent government using Shiny"

SatRday conference at Chicago, Chicago, 2020

"Distant, disposable, or similar: why drug users discuss hurtful topics with people they do not consider close"

Netherlands Institute for the Advanced Studies in Social Sciences and Humanities Conference, 2021. Netherlands

2021 INGRoup Conference. USA

Global Community of Social Science: International Academic Conference: Contemporary Trends and Social Science Discussions, 2020. Spain -selected, not able to attend
2nd International Conference on Social Sciences and Arts, 2020. Thailand
MAPSS Academic Research Conference, 2019. University of Chicago
DePaul's Oxford House research team workshop, 2019. Chicago.

“Un marco epistemológico interdisciplinario: uno de los desafíos de las ciencias sociales”
I Research Congress of the Social Sciences Faculty, 2018. University of Chile.

“The importance of open communication in Substance Dependent Individuals’ rehabilitation a case study”
FACSO Undergrad research conference, 2017. University of Chile

“Desastres Socionaturales: La Sequía en la Provincia de San Felipe y Cómo afecta a la población de Las Coimas”
Conference ‘Cuadernos de Crisis y Emergencias’, 2013. Santiago

TEACHING EXPERIENCE

Teaching assistant, Universidad de Chile

“Social Theory: Society as a Social System” imparted by Marcelo Arnold	2017
“Qualitative Techniques II” imparted by Claudio Duarte and Pablo Cottet	2016
“Sociological Theory I” Imparted by Rodrigo Figueroa	2016
“Health and Society” Imparted by Marcela Ferrer	2016
”Psychology I” Imparted by Gabriel Abarca and Danilo Sanhueza	2016

LANGUAGES

Spanish (Native)
English (Full professional proficiency)
German (Elementary proficiency)