

NADIA FLOREZ

Austin, TX

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SUMMARY

I generate evidence-based insights to complex business questions through data-driven methods. I establish data pipelines to integrate, visualize and analyze large and diverse data sources. I look to provide reliable solutions by collaborating on the most efficient processes and the best data products for clients.

EDUCATION

M.A. in Applied Economics

University of Colorado Denver

May 2016

B.A. in Economics, Applied Math minor

University of Colorado Boulder

May 2013

RELEVANT WORK EXPERIENCE

Research Fellow, Center for Transportation Research, UT Austin

July 2017 - Sept 2019

- Established automated workflows for data extraction, loading and transformation to clean, integrate, visualize and analyze large datasets from various disparate sources
 - Developed spatial data models and mappings to integrate 6 large distinct data sources
 - Automated ETL data pipelines (in PostgreSQL, Python) for metric computation and visualization (in R)
 - Documented thoroughly technical details of methods and processes using Markdown and Git
- Developed data analysis tool (back-end and UI) to showcase value of using data-driven methods for decision-making
 - Interfaced with client sponsors to understand business needs and refine UI accordingly
 - Refined oral and visual communication to describe quantitative methods clearly and concisely
- Advanced data storage and archiving initiative for Austin Transportation Department Data Lake
 - Instigated project progress at critical stages by establishing essential workflows
 - Researched technical and industry developments, tools and trends to recognize best practices (e.g. JSON and Web API specifications, AWS capabilities, NoSQL databases)
- Delivered key recommendations on transit system evaluation for University of Texas Southwestern
 - Quickly developed transportation domain-specific knowledge working with geospatial data
 - Refined project, time and self-managing skills to carry out integral project deliverables

PROJECTS

"The impact of same-sex marriage legalization on state suicide rates."

2014 - 2015

- Implemented econometric analyses for novel research with Python and R programming languages to:
 - Evaluate the effect of same-sex marriage state legalization on state suicide rates for young males
 - Establish statistical methods comparable to proprietary software with open source tools
 - Showcase a negative and significant (plausibly causal) correlation between explanatory and outcome variables using longitudinal data for causal analysis

LEADERSHIP

Advisory member, Think Dream Tank

2013 - 2015

- Established structure to founder's vision to execute clear deliverables:
 - Gained nonprofit status through the Rocky Mountain Peace Institute
 - Proposed 3 grants: Making All Voices Count (2014), and John Templeton Foundation (2015, 2016).
- Developed strong written communication skills to succinctly share ideas

OTHER SKILLS

- Strong analytical thinker with creative problem-solving strategies
- Naturally curious disposition