

# Nadia Florez

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## Summary

I have implemented Python and R scripts to carry out statistical analysis (data processing, summary statistics and visualization, econometric modeling, as well as inference) comparable to STATA processes, the field-standard statistical program used by economists. As a self-driven learner and a strong critical (mathematical) thinker, I quickly assimilate information to develop quality projects and effectively communicate results.

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## Education

M.A. in Economics

University of Colorado Denver

May 2016

B.A. in Economics Applied Math minor

University of Colorado Boulder

May 2013

Relevant courses: Linear Algebra, Statistics (2 sem), Econometrics (2 grad sem), Probabilistic Modeling (grad)

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## Projects

Master's capstone: "The impact of same-sex marriage legalization on state suicide rates." 2014 - 2015

- Developed and presented novel research employing longitudinal data and a difference-in-difference (DiD) econometric model with linear time trends for causal inference.
- Evaluated the effect of same-sex marriage state legalization before the national ruling on state suicide rates for males 18 and younger between the years of 1999 - 2014.
- Implemented Python and R programming languages to:
  - Aggregate and merge data from valid news sources and CDC public data.
  - Tabulate min/max/mean/SD/N summary statistics on independent predictors.
  - Visualize distribution and trends over time of policy change and outcome variable.
  - Create DiD analysis functions and scripts to carry out comparable process to STATA.
  - Tabulate results showcasing a negative and significant (plausibly causal) correlation between legalization of same-sex marriage and outcome.

Giordano, J., Benedikter, R., **Florez, N.** "Neuroeconomics. An emerging field of theory and practice." *The European Business Review*. (2012). 2011 - 2012

- Developed introductory paper on neuroeconomics, a field synthesizing neuroscientific and economic principles to better understand human decision-making.
  - Created a bio-psychosocial model of human decision-making, aiming to provide a comprehensive outline to the factors that influence human decisions (biological, psychological, social).
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## Leadership

Advisory member, Think Dream Tank: nonprofit start-up promoting individual future-oriented decision-making and community engagement through workshops. 2013 - 2017

- 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).
- Piloted virtual workshops on Amazon Mechanical Turk with 50 participants.
- Piloted physical workshops with a group of seven individuals with positive feedback.

Volunteer, Amigos de las Americas

2007 - 2008

- Employed cross-cultural communication and awareness to manage 6 classrooms and lead 2 creative expression workshops per classroom, per week for 5 weeks.
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## Internship

Junior Scholar with the Center for Neurotechnology, Potomac Institute for Policy Studies. 2011

- Quickly assimilated information on unfamiliar topic to develop and present culminating research paper.