

Rosvid S. Herrera Tenorio

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EDUCATION	Duke University · <i>Durham, NC</i> Expected: May 2021 <ul style="list-style-type: none">▪ B.S. in Statistical Science and Minor in Sociology▪ Selected Coursework: Bayesian and Modern Statistics, Data Science and Society, Machine Learning and Data Mining, Social Stratification (Graduate Level), Sociology of Racism in America
INTERESTS	Race, Ethnicity, & Immigration; Neighborhoods; Quantitative Methods
RESEARCH EXPERIENCE	Senior Thesis - Researcher August 2020 – Present <i>Duke Department of Sociology¹ · Duke Department of History²</i> <ul style="list-style-type: none">▪ Committee: Scott Lynch¹, Cecilia Márquez², & Tyson Brown¹▪ Investigating group heterogeneity in neighborhood choice preference among Latin American immigrants in the U.S. South▪ Conducting latent class regression models to explore unobserved preference heterogeneity with observed housing qualities▪ Reviewing literature on post-1965 immigration policies and the sociological theories of spatial assimilation and place-stratification Summer Research Fellow May – July 2020 <i>Data+ Program · Rhodes Information Initiative at Duke</i> <ul style="list-style-type: none">▪ Explored Latinx alt-right ideology on online forums and social media▪ Web-scraped 8,000+ Stormfront posts and organized text into informative data frames by intricately parsing through forums▪ Employed lemmatization & stemming of words, and performed latent Dirichlet allocation (LDA) to reveal latent themes across posts▪ Co-presented findings on themes of race, class, and war at an Expo Independent Study - Researcher January – May 2020 <i>Duke Department of Statistical Science · UNC-CH Department of Sociology</i> <ul style="list-style-type: none">▪ Analyzed latent class multinomial regression models to further intra-metropolitan residential segregation and assimilation research▪ Reviewed contemporary literature on discrete choice modeling approaches to understand residential choice behavior▪ Submitted a 10-page paper on statistical results and future research
TEACHING EXPERIENCE	Teaching Assistant January 2019 – Present <i>Duke Department of Statistical Science · STA 199: Introduction to Data Science</i> <ul style="list-style-type: none">▪ Invited as a returning assistant (SP19, FA19, SP20, FA20, SP21)▪ Host weekly 2-hour office hours and facilitate applications in R▪ Grade approximately 10 hours/week worth of homework and labs▪ Led a 75-minute weekly lab during the Fall 2019 semester

WORK
EXPERIENCE

Software Engineering Intern

May – August 2019

Twitter · San Francisco, CA

- Researched methods to organize 400 million+ entries of product, finance, and internal data for the Cloud Infrastructure Management team using Presto-SQL aggregator functions
- Forecasted monthly cloud infrastructure spending using autoregressive (AR-process) machine learning models
- Presented modeling results to Research and Development executives
- Volunteered at the Twitter NeighborNest and St. Anthony Foundation after work and during holidays consistently

Summer Program Intern

June – August 2018

Waipā Foundation · Duke Engage · Hanalei, HI

- Collaborated with local watershed experts to restore acres of taro fields after the 2018 flood on the north shore of Kauaʻi
- Managed the production and distribution of 2,000+ garden-to-table lunches for Waipā Hoʻolana Summer Program participants
- Collected, organized, and assisted with calculating tax information for a non-profit tax audit
- Volunteered at the Limahuli Garden & Preserve and Kīlauea National Wildlife Refuge on weekends consistently

LEADERSHIP
EXPERIENCE

Board Member

June 2020 – Present

Sanford Community Freedom Coalition (SCFC)

- Collaboratively worked with local activists, interfaith leaders, and members of the community to establish the SCFC to address community concerns in the Sanford/Lee County area in NC
- Organized “Get Out the Vote” initiatives with local Democratic Party leaders at three community events and assisted with 200+ Thanksgiving holiday dinners at the local food bank

Co-Founder & Director

April 2020 – Present

Lee County Ready for College Initiative (LCRFCI)

- Filmed and edited live comprehensive YouTube videos to assist and inspire local high school students and college advisors with the college admissions process during COVID
- Co-led a team of seven college students throughout the summer by organizing weekly meetings, developing scripts with relevant information, and delegating tasks to communicate with the local school board and businesses for marketing purposes
- Currently working with myFutureNC, a state-wide initiative to close the college educational attainment gap in North Carolina, to create first-generation student panels across the state

President & Former Secretary March 2020 – Present
Define American Chapter at Duke

- Co-led monthly workshops with Dr. Li-Chen Chin, Assistant Vice President for Intercultural Programs, to over 100 administrators on the importance of supporting undocumented students at Duke
- Curated an art exhibit titled “Building Bridges” to highlight the theme of migration in contemporary literature in collaboration with the Representing Migration Humanities Lab in the Duke English Department and Student Action with Farmworkers (SAF)

President March 2020 – Present
Duke German Club

- Supervised annual budget requests through Duke Student Government for weekly German activities
- Organized two virtual Oktoberfest activities to promote German culture and language acquisition

Publicity Chair August 2019 – March 2020
Mi Gente – Duke’s Official Latinx Student Association

- Streamlined community interactions by integrating Slack metrics and applications to increase productivity within the organization
- Created Adobe Creative Cloud, Teamline, and Google Suite application templates for each executive committee

Former Senator April 2018 – August 2019
Duke Student Government

- Developed Duke’s first website with comprehensive resources and information for undocumented students with key administrators: studentaffairs.duke.edu/undocumented-students
- Met weekly for three hours with other senators to debate, amend, and vote legislation that impacts over 6,000 students

UNIVERSITY
SERVICE

Presidential Review Committee November 2020 – Present
Board of Trustees · Duke University

- Selected internally as the sole undergraduate student by the Board of Trustees to serve on the committee that reviews President Vincent Price’s first term of service

Committee on Facilities and Environment April 2018 – August 2019
Board of Trustees · Duke University · Duke Student Government

- Selected as one of two senators to serve on the committee that oversees projects on all facilities, including dorms, as well as year-round construction and renovation projects

AWARDS AND HONORS

Emory Learning About Laney Scholar

September 2020

James T. Laney Graduate School at Emory University

- Selected as 1 of 60 prospective graduate school applicants from a highly competitive pool to participate in a fully-funded, facilitated exploration of graduate programs at Emory University

Princeton University P3 Scholar

August 2020

Office of Access, Diversity & Inclusion at Princeton University

- Selected as 1 of 38 prospective graduate school applicants from a highly competitive pool to participate in a fully-funded, facilitated exploration of graduate programs at Princeton University

Excellence in Scholarship Award

April 2020

Duke Mi Gente 2020 Latinx Awards

- Awarded for demonstrated outstanding leadership through academic achievement and/or academic research; Mi Gente Latinx Award recipients are identified through a nomination process

Hack Duke 1st Place Winner

October 2018

Major League Hacking Corporation

- Placed first out of 19 teams in the Inequality Track for developing a website with R Shiny and JavaScript embeddings to provide streamlined opportunities for women to engage in politics

David M. Rubenstein Scholar

June 2017

Duke Office of University Scholars and Fellows (OUSF)

- Competitive, full merit-based scholarship at Duke for first-generation, limited-income students that includes a six-week pre-orientation summer program, enrichment funding, and two fully-funded, Duke-sponsored summer experiences
- Scholars are selected for outstanding achievement, resilience, and commitment to social engagement

Golden Door Scholar

May 2017

Golden Door Scholars Program

- Awarded for academic success, leadership quality, and determination; recipients are undocumented students with DACA, TPS, or meet certain immigration eligibility criteria

SKILLS

Languages

Native Spanish, Native English, Limited-working German, Basic French

Technical

R, Python, Java, SQL (mySQL, Presto), Scala, Tableau

Packages

R (gam, MASS, miceadds, olsrr, poLCA, rtweet, topicmodels, lme4)

REFERENCES

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