Israel Vasquez

469-279-9355 | israel.vasquez3356@utexas.edu

EDUCATION

The University of Texas at Austin, Austin, TX   May 2021
Bachelor of Science, Human Biology
Relevant Coursework:
- SDS328M Biostatistics
- SDS348 Computational Biology & Bioinformatics

EXPERIENCE

University of Texas at Austin, Austin, TX   January 2019 - Present
Undergraduate Teaching Assistant for SDS328M Biostatistics

- Facilitated Lab sessions to teach students R
- Graded Assignments
- Communicate with instructor if any students had issues with the course

PROJECTS

- **Effects of Political Violence and other Determinants on Economic Growth:** Observed effects of political violence on GDP with respect to other factors such as education and tradeshare. After creating a general linear model and performing an ANOVA and a logistic regression, it was found that political violence had adverse economic effects and that education was the biggest contributing factor to economic growth and the biggest predictor of political violence.
- **Analysis of Possible Increased Cruciferin Subunit Presence in Transgenic 6134 Mutant Line of Arabidopsis:** A mutant of Arabidopsis was studied to see if there was any significant overexpression of a seed storage protein known as cruciferin. Techniques performed included SDS-PAGE and western blotting to purify proteins and confirm the overexpression of cruciferin. Implications from this project are directed at agricultural sustainability during periods of drought or other complications involved with climate change.

LEADERSHIP & COMMUNITY INVOLVEMENT

Project MALES, Austin, TX   September 2018 - September 2020
Mentor
- Mentored underprivileged middle school and high school students across Austin ISD
- Lead mentoring sessions discussing and solving problems students had at school or in their lives
- Communicated with school administrations about common issues students experienced
- Mentoring resulted in students dramatically improving in conduct and Academic performance

Manos de Cristo, Austin, TX   September 2017 - September 2018
Food Pantry Volunteer
- Organized groceries
- Bagged food items for those in need
- Cleaned and maintained the facility

SKILLS

Technical /Computer Skills: Proficient in R, Proficient in Excel, Beginner in python
Languages: Intermediate Spanish
Certifications: CPR certified