**Ethan Cavazos**

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**EDUCATION**

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| **The University of Texas at Austin** | Bachelor of Science, Computational Biology, 3rd Year | Dec. 2021 |
|  | Minor: Chinese Language  Certificate: Scientific Computation and Data Sciences  Additional Coursework in Genetics, OChem 1 – Adv OChem, Bioinformatics, Elements of Computing and Programming, Physical Chemistry, Differential Equations  GPA: 3.32 |  |

**EXPERIENCE**

**UT Dept. of Molecular Biosciences** – Genetics Teaching Assistant under *Dr. Janice Fischer* January 2019 - Present

* Lead discussion section of up to 25 students
* Assist students in understanding relevant coursework and homework
* Hold office hours to meet with students from any class section
* Take detailed notes to supplement SSD students’ learning

**UT Information Technology Customer Support Services** – *Student Consultant* July 2019 - Present

* Provide for first-level contact, incident handling, and request fulfillment for a variety of IT and business services for the University through written and oral communication
* Utilize advanced troubleshooting skills and administrative tools

**UT Sanger Learning Center**– *Undergraduate Tutor* January 2019 – August 2019

* Assisted students in coursework for: Organic Chemistry 1&2, Genetics, Integral and Differential Calculus
* Aided in understanding course material
* Advised students on effective study habits

**ACADEMIC PROJECTS**

**SDS 348: Data Wrangling and Exploration in RStudio** Fall 2019

* Exemplified trends in terrorist group data from the Global Terrorism Database
* Tidied dataset using core Dplyr functions
* Utilized GGplot to produce visual aids

**SDS 348: Modeling, Testing, and Predicting Data in RStudio** Fall 2019

* Ran statistical analyses on Marijuana-arrestee data provided by the Toronto Police Dept.
* Conducted a MANOVA testing, univariate ANOVAs, t-tests randomization tests
* Built linear regression model to predict a response variable based on tests for assumptions (homoskedasticity, linearity, normality)
* Built linear regression model with bootstrapped standard errors for comparison
* Performed logistic regression predicting binary categorical variable from explanatory variables
  + Computed and interpreted confusion matrices, Accuracy, TPR, TNR, PPV, as well as performed a 10-fold cross validation
* Performed a LASSO regression using all variables as predictors

**LEADERSHIP**

**Texas Students Against Gun Violence** –*co-Founder* Spring 2018 – Fall 2019

* Drafted and created organization structure
* Advertised to and recruited members via presentations, flyers, tabling
* Scheduled organization meetings

**Awards**

* Undergraduate Studies Exploration Grant - $1.15k Summer 2018

**ADDITIONAL INFORMATION**

**Computer Skills:** RStudio, Python, MS Excel, Word, PowerPoint, Canvas, Service-Now

**Languages:** Conversational Spanish, Basic Chinese, Basic French