

JESSIE BUSTIN

JEBUSTIN@IASTATE.EDU | (515)451-3775 | 2140 EDENBURN DRIVE UNIT 12D, AMES, IA 50010

OBJECTIVE To continue my education and contribute to the growing field of data science in a graduate program that values ethical data pipelines and the use of data tools to seek creative solutions to community and societal problems.

EDUCATION IOWA STATE UNIVERSITY

4.00 GPA

MAJORS: STATISTICS & DATA SCIENCE MINOR: ANTHROPOLOGY

AUGUST 2019-PRESENT (GRAD. SPRING 2022)

SCHOLARSHIPS

George W Carver Award, Schillmoeller Family Scholarship in Statistics, Liberal Arts and Sciences Excellence Scholarship, Olga Margaret Thompson Endowment Fund, Kingland Systems Data Analytics Scholarship, Carolee Raps Md & Lawrence Brecker Md Scholarship, Diane Brandt Fund, Herta and Herbert T. David Scholarship in Statistics, LAS Excellence Scholarship, and Full Tuition Scholarship from ISU due to Coca Cola National Transfer Academic Team (Top 50 in US)

ACTIVITIES

Supplemental Instruction Leader for Stat 226 Spring 2020 - Spring 2021, Peer Mentor for the Data Science Learning Community Fall 2020, Data Science for the Public Good Summer Intern 2020, CSAFE Undergrad Research Assistant Summer 2021, Election Commission Member 2019-2020, Non Profit Protege Mentee Spring 2021

HONORS

Dean's List Fall 2019 - present, Cardinal Key Honor Society Inductee Spring 2020, New Supplemental Instruction Leader of the Semester Spring 2020, Supplemental Instruction Leader of the Semester Fall 2020 and Spring 2021

RESEARCH & PROJECTS

DATA SCIENCE FOR THE PUBLIC GOOD

SUMMER 2020 INTERN

Worked on a team that collected and created an interactive map (Shiny Dashboard) of weekly peer support group meetings for substance use in the state of Iowa. Created a composite index to measure human and economic capital across community sizes to identify strengths for upward mobility and recovery. Led final presentation and was an author for final findings for the team.

CENTER FOR STATISTICS AND APPLICATION IN FORENSIC EVIDENCE

SUMMER 2021

Automated collection of data from pdfs of criminal case dockets for analysis and further collection of testimony in cases that went to trial. Basic univariate analysis was completed to guide further data exploration.

PREDICTING WINE SPECTATOR SCORES

FALL 2019

Using varietal, country of origin, price, and year to predict Wine Spectator Ratings.

ANALYSIS OF UNIVERSITY FIGHT SONGS

SPRING 2020

Analyzed fight songs, sports records, and demographics for Power 5 schools. Do songs that mention boys/men correlate to schools with fewer female students and faculty? Created gifs in R

to convey where, when, and by whom fight songs were written. Project was used to demonstrate the importance of not overstating findings and to urge others not to ignore lurking variables.

PREDICTING VOTER TURNOUT BASED ON COUNTRY DEMOGRAPHICS
FALL 2020

Working with Ben Litterer, modeled voter turnout rates and presidential picks by county based on county demographics from the US Census American Community Survey for 2012 and 2016.

CONGRESSIONAL FINANCIAL DISCLOSURE ANALYSIS
SPRING 2022
Work in Progress!

IOWA STATE UNIVERSITY DEPARTMENT OF RESIDENCE
SPRING 2022

Worked on a team that performed analysis of multivariate student data and modeling of first year GPA and Student retention. Followed strict protocols to protect confidential student data and findings.

DES MOINES AREA COMMUNITY COLLEGE
3.92 GPA

AA LIBERAL ARTS

JANUARY 2018-MAY 2019

Honors Student, Phi Theta Kappa Honors Society Chapter President, Student Activities Council At Large Member and Committee Chair, Spring 2019 College Review Board, President's List, All-State Academic Team, National Coca Cola Gold Scholar, Dmacc Foundation Scholarship Recipient

PERSONAL SKILLS

I am driven, goal oriented, and enjoy working hard while remaining calm in high stress situations. I am constantly challenging myself and consider my education a lifelong process. I am able to prioritize and handle multiple projects while completing quality and thorough research and work. I thrive in an environment and culture that fosters these same passions in others.

TECHNICAL SKILLS

I am well versed in data analytics and the far ranging application of quantitative methodologies. I am experienced in the following programming languages: Python, R, C++, SQL, and Java. I also have extensive experience and training in Microsoft Office, JMP, Zoom, SaaS, Slack, and Tableau.

VOLUNTEER WORK

House of Mercy, Dmarc Mobile Food Pantry, Hurricane Maria Relief via Vieques Love, The Salvation Army, Living History Farms, Volunteer Center of Story County

WORK EXPERIENCE

SUPPLEMENTAL INSTRUCTION LEADER

IOWA STATE UNIVERSITY
JANUARY 2020-MAY 2021

I led three, one-hour weekly learning sessions for an Introductory Statistics course. I developed lesson plans, coordinated with the TA's and professors for the course, and worked with a wide range of students as they gained knowledge in the field of statistics and honed their metathinking and learning skills.

FOOD SERVER

LURRA COCINA
OCTOBER 2015-APRIL 2016

I had a lead role in opening and preparing other FOH employees for service. As a team we focused on sharing our passion and knowledge of Spanish culture, cuisine and wine. I aided in creating a training program for new hires and led the on the job training for servers and hosts. I led and participated in daily continuing education for FOH staff on food, wine and cocktails.

IMPLEMENTER

RETAIL DATA SYSTEMS INC.

OCTOBER 2012-JUNE 2014

I programmed menus and built databases for Aloha point of sale systems, installed both hardware and software, and then provided onsite support and training. I provided high level support to the help desk for difficult issues from clients. I developed training materials for client employees, managers, and owners as well as for help desk staff. I logged calls and solutions to ticketed issues in a searchable web app (CRM) so that support staff had access. I also maintained relationships with customers by providing continued support and managing the account after initial installation for over 300 clients. I operated as a management consultant during restaurant openings for clients in addition to POS installation for both large multisite concepts and single locations.

ASSISTANT MANAGER

COSI CUCINA

DECEMBER 2009-NOVEMBER 2012

I completed schedules and managed both FOH and BOH staff. I put systems in place for opening and closing managers. I also began keeping sales and labor records, created inventory spreadsheets, set pars for ordering, and began calculating liquor and food costs. I implemented a more consistent pricing strategy for beer, liquor, and wine while updating drink and wine lists. I also created and implemented a FOH training program.

REGIONAL FOH TRAINER, OFFICE MANAGER, BARTENDER, SERVER

OSI INC

AUGUST 2005-DECEMBER 2009

I guided guests through a wine list with over 180 entries bartending at Fleming's Prime Steakhouse while creating a warm and inviting environment for my guests to dine in. I also trained new hires and participated in hiring and training servers, bartenders, hosts, and managers. As an office manager at Bonefish grill I managed all new hire paperwork, vendor invoices, monthly inventories, and completed daily sales reports. I also became a level 1 and level 2 Sommelier with the Court of Masters and was a 4 time employee of the month.