

ANTHONY LUSARDI

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EDUCATION

MS	Oregon State University, Statistics Advisor: James Molyneux	June 2022
BS	Oregon State University, Speech Communication Minored in Statistics	June 2020

HONORS AND AWARDS

Nomination for Outstanding Graduate Teaching Assistant	2022
Recognizes outstanding teaching and professional involvement with both faculty and students	
Teaching Assistantship	2020
Awarded full scholarship for Graduate Studies	
Outstanding Student Organization	2019
Awarded for our contributions to open inquiry, viewpoint diversity, and constructive disagreement.	
Club of the Year	2020
Awarded for engaging students in constructive discourse on contentious issues	
Focus Communication Award	2017
For excellence in academics for communication courses at LBCC	

WORK EXPERIENCE

Operations Research Analyst-Bonneville Power Administration, June 2021 to Present

905 NE 11th Ave, Portland, OR 97232

June 2021-April 2022 PCIP intern 0.5 FTE

April 2022 –Present FTE GS-9 step 1

BANKS LAKE VALUATION:

Produced and currently maintaining a valuation of Federal Resources. This particular valuation produced beneficial opportunity costs at Keys Pump Storage Complex by reallocating operational plans based on modelled probabilities of contingency events. The total net secondary revenue exceeded 15.1 million USD per year based on this proposal.

LOWER SNAKE OPERATIONS REPORT:

Produced and currently maintaining an automated tool built in R Shiny for BPA employees to access operational data on the Lower Snake Projects. This tool utilizes text scraping and search capabilities to cross-reference Operation logs and particular data associated with the query. It also provides interactive graphical summaries of weekly operations on the Lower Snake Projects while automatically updating for the latest data.

LOAD REPORTING SHINY APPLICATION

Produced and currently maintaining an automated tool built in R Shiny for BPA employees to access Load Reports utilizing data from the Load Resource Aggregator (LORA). This tool has been used for PGST to quickly investigate discrepancies in Non Scheduled Load forecasts and actuals. It is currently being utilized in the Load Renewables and Forecasting (LRF) project group to inform Hydro duty schedulers of changes in Tags at different timestamps. It also provides interactive graphical summaries of weekly forecasts in the Balancing Authority Area

Data Consultant-The Old Spaghetti Factory, Corvallis OR

2016 to 2020

SALES OPTIMIZATION

Performed data analyses of server check averages, providing managers valuable data-driven insight for increasing weekly sales by over \$300,000 dollars per year for each store.

Redesigned company's national training methods for new employees based on improvements found in said analysis. Created a mobile app in OpenasApp and Excel to calculate maximum profit for server's income for new servers.

GUEST PREDICTION MACHINE LEARNING PROGRAM.

Designed a machine learning algorithm based on the Prophet algorithm in R/Exploratory to forecast daily guest counts with 80% accuracy to reduce overstaffing and budgeting food costs. Experience cleaning large datasets to prepare data for analysis and training sets for machine learning algorithms

Oregon State University, Research Consulting Practicum

CONSULTANT: under Katie McLaughlin Winter 2019

- Consulted on experimental design and statistics with current research at Oregon State in the Department of Agriculture and Social Sciences.
- Tasked to determine the appropriate statistical tool to use in data analyses for time-series and longitudinal data analyses. Summarizes and clearly communicates statistical findings to non-statistician applied scientists.

TEACHING EXPERIENCE

Name of University, Oregon State University **September 2020 to Present**

Graduate Teaching Assistant, Statistics Department

- Assisted, an undergraduate course averaging 128 students per term, covering the topics of obtaining and evaluating scientific evidence that can be used in addition to exploratory tools to answer research questions involving categorical variables, quantitative variables, or combination of quantitative and categorical variables.
- Developed quizzes, labs and homework

Term	Year	Course	Title	Enrollment
Sp	2019	ST 352	Intro to Statistical Methods	160
Fa	2020	ST 352	Intro to Statistical Methods	128

PRESENTATIONS AND INVITED LECTURES

Civil Discourse in the Workplace, “Bring your whole self to work,” Faculty Training LBCC, January 2019

Keynote Address, “Open Inquiry Awards,” HxA Annual Conference, June 2019.

Chapter Development, “American Promise Conference”, Washington D.C., October 2019

EDITORIALS

Democrat Herald, “Interfaith Voices,” Interreligious discussions, Jan 2020.

Free Intelligent Conversation, “Depolarizing the College Campus with Free Intelligent Conversation,” Medium.com, Aug 2019.

PROFESSIONAL TRAINING

Tools for Data Science Issued by Coursera,
Authorized by IBM, February 2020

Demonstrated skill and understanding of how popular data science tools such as the Jupyter Notebook, RStudio, Zeppelin and Watson Studio are used, as well as the advantages and disadvantages of each tool.

Data Science Orientation Issued by Coursera,
Authorized by IBM, December 2019

Demonstrated a good understanding of why data science, artificial intelligence (AI) and machine learning are revolutionizing the way people do business and research around the world. They have general knowledge on what data science is today.

Learning Assistant Pedagogical training, Oregon State University
Department of Statistics May 2019

Led a team in pedagogical research to systematically inform instructors of concerning psychological setbacks from students learning experience.

BridgeUSA, Chapter Founder/President, November 2017-2019

- Founded a successful chapter of a nationally recognized organization, BridgeUSA -
- Organized and hosted TED Talk featuring nationally recognized speakers

EarthX

BridgeUSA, Dallas TX, April 2018, April 2019
National Summits with student-led organization BridgeUSA.

American Promise Conference

BridgeUSA, Washington D.C., October 2019
National Summits with student-led organization BridgeUSA.

PROFESSIONAL AFFILIATIONS

BridgeUSA 2017-Present

Founder of two college chapters, International chapter consultant

Heterodox Academy, 2017-Present

Voting Board member, Speaker, Awardee of Outstanding Student Organization

Kappa Sigma Fraternity, 2019-Present

Brother, Alumni

American Statistical Association (ASA), 2019-Present

Active Member

COMMUNITY SERVICE

Saint John Society

- Hospital Volunteer-Critical Care Assistant, Pilar Argentina, 2014
- Religion Instructor- Godspell Highschool, Pilar Argentina, 2014
- Comm

The Civil Discourse Club

Roundtable Discussion - Albany OR, February 2018

LANGUAGES

English: Native Language

Spanish: Bilingual, Distinguished Reading and Writing and Speaking Professional Teaching experience, College Teaching assistant, Highschool classroom, 30 months immersion program in Argentina.

COMPUTER SKILLS

Programming: Proficient in R, R markdown, Latex

Applications: Power BI, GitHub, Tableau, Exploratory, Excel, Microsoft Office,

OTHER

President and Founder | BridgeUSA Chapter | Oregon State University | 11/2017 – 9/2020

- Founded a successful chapter of a nationally recognized organization, BridgeUSA - dedicated to creating opportunities for polite, empathetic, intellectual discourse on college campuses.
- Organized and hosted a free TED Talk featuring nationally recognized speakers on promoting dialogue over division for over 200 students.
- Awarded Outstanding Student Organization by over 3000 academics through the Heterodox Academy national Open Mind Awards Conference in June 2019 for its commitment to convening students on campus to foster much-needed dialogue.

Citizenship: United States Citizen

REFERENCES

Dr. Claudio Fuentes, Associate Professor
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Co-Director of Graduate Studies
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