PRITHVIRAJ LAKKAKULA

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EXPERIENCE

- Passionate about turning data into interpretable and actionable insights for stakeholders/clients
- Over six years of research experience in Applied Econometrics/Statistics and over four years of experience using machine learning techniques for solving business problems
- Led over sixteen projects from screening ideas to concept development, market research, data collection and exploratory data analytics, estimation, results interpretation, and final deliverables
- Expertise in agricultural/food markets, price, and product demand analytics
- Developed and estimated both statistical and machine learning models to capture complex interaction effects for predicting target outcome
- Effectively communicated research results to non-technical audiences and provided recommendations for different scenarios

SELECTED PROJECTS

- Administered the end-to-end machine learning workflow starting from identifying/framing the business problem and the data requirements to the deployment of the best performed model
- Accomplished an accuracy of 93% in classifying a correct wheat variety using machine learning models (random forest and gradient boosting)
- Developed a deep learning neural networks to predict soybean disease with multiple classes
- Predicted the quality of red wine using interpretable machine learning techniques with scalable machine learning platform
- Designed and deployed an interactive data visualization showing trends in production, domestic consumption, exports, and imports of three commodities across five countries

CERTIFICATIONS

The Microsoft Professional Program in Data Science
Certificate **|** Microsoft Corporation **|** Dec 2019

Blockchain Technologies: Business Innovation and Application
Certificate **|** MIT Sloan School of Management **|** Sep 2018

SKILLS

Languages: R and Python
Others: SQL, Plotly, Power BI, Shiny, Spark, Keras, h2o, Azure ML Studio

EDUCATION

Food and Resource Economics
Ph.D. **|** University of Florida, Gainesville, FL   **|** Aug 2014

Agricultural Economics
M.S. **|** University of Arkansas, Fayetteville, AR **|** Aug 2010

CURRENT EMPLOYMENT

Research Assistant Professor
North Dakota State University **|** Jan 2015 - Aug 2020 & May 2021 - Present

(Previous employment: Tennessee State University [Sep 2020 – Oct 2020], University of Florida [Aug 2014 – Dec 2014])

***I am a U.S. Permanent Resident