

# 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])