

# PRITHVIRAJ LAKKAKULA

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## OVERVIEW

- Passionate about turning data into interpretable and actionable insights for stakeholders
- Over six years of experience in Applied Econometrics/Statistics and over four years of experience using Data Science methods for solving business problems
- Interacted and collected data from third party sources (e.g., Thomson Reuters Eikon) into R
- Collaborated with researchers and scientists to collect, clean, analyze data, estimate, and interpret the results that led to **over 16 research publications** in top professional journals
- Presented and communicated research results to multiple commodity organizations, farmers, and fellow researchers at professional conferences

## EXPERIENCE

- Administered the end-to-end machine learning workflow starting from identifying/framing the business problem and its requirements to the deployment of the best performed model using Shiny
- Accomplished an accuracy of 93% in classifying a correct wheat variety using machine learning models (random forest and gradient boosting)
- Predicted the quality of red wine using interpretable machine learning techniques with scalable machine learning platform (h2o)
- Developed a deep learning convolutional neural networks model to predict soybean disease (image analysis) with multiple classes using keras
- Designed and deployed an interactive web application showing trends in production, domestic consumption, exports, and imports of three commodities across five countries using Shiny

## 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 (fluent) and Python (basic)

**Others:** SQL, Power BI, Shiny, Apache Spark, Keras, h2o

## 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])