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., Thomsen 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])

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