

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/Statistical techniques and over four years of experience in Data Science in solving business problems
- Expertise in agricultural market economics, price analysis, and commodity markets
- Successfully led multiple projects from ideation to final deliverables
- In-depth knowledge in machine learning, deep learning including their applications
- Effectively 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 R-Shiny and Heroku
- 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 data visualization showing trends in production, domestic consumption, exports, and imports of three commodities across five countries using R-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 and Python

Others: T-SQL, Plotly, Power BI, R-Shiny, Apache 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])