Ryan Brady

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WORK EXPERIENCE

Consultant – Data Analyst, Control Risks   **Feb 2019 – Present**
- Coordinated and executed the development of multiple Rshiny web applications comparing breakdown of loan relief by county and state to Citibank's housing loan portfolio for the Citibank Monitorship: http://www.citigroupmonitorship.com/citibank-consumer-relief-maps/
- Implemented machine learning clustering pipeline from Python to RShiny allowing end user to edit inputs in Python machine learning libraries using a Shiny Leaflet Dashboard.
- Created machine learning classifier to find a portfolio of persons who are likely to be part of a money laundering investigation this reduced the amount of people accountants were viewing on days money laundering occurred from multiple thousands of visitors to only a couple hundred.
- Automated SQL data pipelines and built tableau dashboards for customers, detailing weaknesses in a customer's security systems.

Decision Science Intern, Albertsons LLC   **June 2018 – August 2018**
- Queried Oracle legacy databases and Teradata databases to highlight how legacy users have duplicated records in Customer databases affecting their ability to receive correct coupons.
- Conducted AB tests to highlight key differences between different populations.
- Created a portfolio of users where they were assigned multiple id's where a single id should exist and drafted scenarios display those users' churn rates.

Lead Data Analyst Intern, Center for Student Affairs Assessment UC Davis   **June 2017 – June 2018**
- Managed a cross-functional team of six undergraduates to produce Statistical Reports and construct software to give individual departments statistical insights on self-recorded data.
- Created Tableau dashboards that detailed how students and which students engage with UC Davis facilities.
- Conducted statistical tests on student surveys to help understand where the UC Davis Administration could help students with food insecurity.

Data Science Intern, Data Science Initiative UC Davis   **June 2017 – April 2018**
- Assisted in QA testing for R package ReadPDF
- Created basic NLP model to find the type of test used in research papers detailing the process of testing a disease's presence.
- Debugged install issues and function calls for R package development.

PROJECTS

Satellite Image Classification of Crop Fields (https://rpbradystadavis.github.io/)
- Extracted satellite images from European Space Agency Sentinel-2 and stitched together images with Gdal.
- Constructed visualizations of Yolo County Crop Fields in Python and R.
- Applied a machine learning classification model to classify crop type in fields resulting in 90% accuracy.

EDUCATION

EDX Georgia Tech   **May 2021**
Intro to Analytics Modeling
University of California, Davis   **June 2018**
Bachelor of Science in Statistics, with an emphasis in Data Science

Technical Experience

Programming	*Skills*	*Data Visualization*
- R	- Machine Learning	- Rshiny
- Python	- Data Mining	- Tableau
- SQL	- Regression Analysis	- Power BI