Cedric Vicera

cedric@cedricvicera.com
(480) 282-1442
Boston, MA

PROFILE

Data scientist currently working in healthcare analytics. Currently focused on patient personalization in the retail pharmacy setting.

PROFESSIONAL EXPERIENCE

Data Scientist   Jan 2023 – Present

CVS Health · Retail Pharmacy Consumer Analytics

- Conduct EDA using patient immunization and retail data to propose outreach verbiage experiments.
- Authored presentations on analytics projects for data science and business stakeholders.
- Measure performance of select immunization campaigns daily.
- Developed a random forest uplift model to optimize timing of delivery of SMS outreach messages.

Onboarding and Documentation Task Force

- Created, updated, and maintained internal technical and non-technical documentation.

Biostatistics Research Intern   Jun – Aug 2021

St. Jude Children's Research Hospital

- Wrangled pediatric oncology patient health records to visualize several average temporal trends in patient BMI based on presence versus absence of bacteria species pair.
- Implemented a linear mixed-effects model to identify 3 bacteria species pairs correlated with elevated post-treatment BMI.
- Conducted hypothesis testing and presented results in a research seminar and wrote a manuscript detailing project methods and discussion.

Research Assistant   Aug 2018 – May 2020

Computational Medicine and Informatics Collaboratory

- Wrote scripts to extract critical care telemedicine data to analyze failure rates and temporal differences between noninvasive ventilation strategies of 10K patients.
- Conducted subgroup analysis to identify patient personas and generated sankey diagrams to visualize 9 patient subgroup outcomes.
- Applied logistic regression to show that NIPPV patients have an increase of 16.8% in mortality compared to HFNI patients, who carry a 6.6% increase in mortality.

TECHNICAL SKILLS

Languages Python (pandas, NumPy, scikit-learn, PySpark), R, SQL, LaTeX

Data Science Hypothesis Testing, Linear/Logistic Regression, Random Forest, Neural Networks

Tools Git, Jupyter, Excel,Databricks

EDUCATION

University of Pennsylvania   2023

Master of Computer and Information Technology

University of Arizona   2020

Bachelor of Arts (with Honors)