



LaylaBouzoubaa

Data Scientist

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- Miami, FL
- +1 404 409 4968
- laylab.me
- layla.bzb@gmail.com
- bouzoulay
- labouz
- layla-bouzoubaa

About me

A data science wanderer currently fastened to public health but has a curiosity receptive to other domains.

Programming

(R)Markdown



SAS



SQL



R-Shiny



R



Other

Machine Learning: Supervised and Unsupervised Algorithms, Natural Language Processing, Market Basket Analysis, Clustering, Principal Component Analysis

Text Editors: RStudio, VIM, Visual Studio Code, Atom

Databases: US Census Bureau, Florida Cancer Data System, SEER

Other Systems: Git, ArcGIS Pro, Google Cloud Platform, Docker, Kubernetes

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Education

- 2016 - 2017 Graduate Certificate: Applied Statistics Pennsylvania State University University Park
- 2015 - 2016 M.S. Public Health University of Miami School of Medicine Miami
- 2009 - 2014 B.S. Industrial & Systems Engineering Georgia Institute of Technology Atlanta

Experience

- 2019 - Lead Research Analyst University of Miami Miller School of Medicine Miami - Florida
 - HEALing Communities Study Analyst - address opioid misuse use disorder (OUD)
 - Build Shiny App to visualize community characters and map of naloxone facilities - shiny, leaflet
 - Design and disseminate statistical reports and visualizations by community with R and RMark-down
 - Process population data for NY communities using the US Census Bureau via API - tidycensus
 - Create maps from shapefiles (tigris) and overlay various population health risk factors
 - CTN0094 Analyst- Predict response to OUD treatments - Market Basket Analysis
 - Spell Checker Shiny App to harmonize and standardize drug names - NLP
- 2017 - Biostatistician Programmer Sylvester Comprehensive Cancer Center Miami - Florida
 - SCAN360.com Project Manager
 - Acquire & process population data from various sources
 - Calculate various measures of cancer burden including age-adjusted incidence, mortality, survival rates
 - Prototype new data sources via Shiny App and R package development
- 2014 - 2015 Epidemiology Researcher Université Sidi Mohamed Ben Abdellah Faculté de Médecine et de Pharmacie Fes - Morocco
 - Statistical consulting
 - Literature reviews for a multitude of research initiatives
 - Write lectures on various concepts in biostatistics
- 2013 - 2014 Content Developer Great Parents Academy Atlanta - Georgia
 - Develop digital lessons that were integrated into the educational supplemental software - XML

Honors

- 2016 Outstanding Masters Thesis Univeristy of Miami DPHS
- 2014 Senior Design Finalist Georgia Institute of Technology ISyE

Certifications

- 2019 Associate Cloud Engineer Google
- 2014 Certified Lean Six Sigma Green Belt Institue of Industrial Engineers