



Layla Bouzoubaa

Data Scientist

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About me

Public Health researcher specializing in cancer and substance abuse; also with large project management experience. Open to exploring new domains.

Programming

(R)Markdown



SAS



SQL



R-Shiny



R



Technical

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

Editors: RStudio, VIM, Visual Studio Code, Atom

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

Other Systems: Git, ArcGIS Pro, Google Cloud Platform (CE, BQ, AutoML)

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

Education

- 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

- 2017 - 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 RMarkdown
 - 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
 - SCAN360.com Project Manager
- Biostatistician Programmer University of Miami Miller School of Medicine Miami - Florida
 - 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

- 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
- 2017 Applied Statistics Pennsylvania State University
 - Graduate Certificate
- 2014 Certified Lean Six Sigma Green Belt Institute of Industrial Engineers