

Mackenzie Bogiages

mackenziebogiages@gmail.com • (678)232-6098 • <https://macbog24.github.io>

EDUCATION

University of North Carolina at Chapel Hill

B.S. Statistics and Analytics, B.A. Economics, Minor Hispanic Studies

May 2018

Universidad Complutense de Madrid

Spring 2017

Awards

- IDEA Award, Heritage Greece Scholar, Buckley Public Service Scholar, Carolina Research Scholar

RELEVANT EXPERIENCE

IBM, Cambridge, MA

October 2018 – present

Cognitive and Analytics Consultant

- Helping clients improve health outcomes through the application of emerging technologies such as AI and intelligent automation
- Worked in client-facing roles ranging for a variety of different clients in the healthcare and life sciences industries, as a data scientist, executed data explorations, provided rigorous analyses, built forecasting models, developed feature vectors, and created toy models to explain model logic in an easy to understand format, and more; as a business analyst, assembled executive content, documented business rules, developed project documentation and user guides, created visuals for descriptive analyses, and more
- Utilized Watson products to expedite client classification, summary, and evidence gathering processes required by different governing authorities
- Configured an enterprise level initiative for an end-to-end solution to automate the prior-authorization process by addressing rules and criteria pertaining to the relevant surgeries to determine whether the criteria for approval were met and to generate standardized outputs with the decisions and evidence, broken down to the sub-rule level using Python and AWS services
- Worked with multidisciplinary teams to configure cognitive evidence gathering solutions for medical device regulation, develop demand forecasting platforms for biologics and emerging biosimilars, derive insights around international tender processes

Sequent Health Physician Partners, Atlanta, GA

Data and Analytics Intern

Summer 2017

- Worked in a dynamic medical environment with a multidisciplinary team and exposure to many different patient populations
- Created clinical data models to identify at-risk patients; collaborated with clinical staff to initiate prevention measures
- Analyzed membership data to identify trends and fashioned them in an executive presentation for the board of directors
- Collaborated with marketing team to refresh website and to cater it to the appropriate audiences and increase engagements
- Independently built management dashboards to support best practices while simultaneously managing other projects

Children's Healthcare of Atlanta, Atlanta, GA

Business Intelligence Intern

Summer 2016

- Provided analysis and modeling support to help prevent Emergency Department overcrowding by predicting the times when the demand for services exceeds the available clinical capacity
- Used over a dozen statistically significant variables to create predictive models to forecast arrivals in the Emergency Department to appropriately staff employees in shifts
- Partnered with a team of statisticians, nurses, and doctors to identify and quantify over fifteen variables that influence arrival rates in the neonatal intensive care unit while confidentially handling patient data

SKILLS

- Fluent in conversational and written Spanish, currently developing basic knowledge of Greek
- Proficient in Python, R, Stata, MatLab, SAS, GAMS, Octave, PowerPoint, Microsoft Office, and WordPress
- Public Speaking, Critical Thinking, Problem Solving

CERTIFICATIONS

Data Science Professional

Coursera

Certificación Profesional: Ciencia de Datos

Tecnológico de Monterrey

Cognitive Services Data Scientist

IBM

PUBLICATIONS

Bogiages, Mackenzie (2017) "Examining the Impact of Education on Diabetes Rates," *Undergraduate Economic Review*: Vol. 14 : Iss. 1 , Article 12. <https://digitalcommons.iwu.edu/uer/vol14/iss1/12>