

IMAD DABBURA

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Skills

PROGRAMMING LANGUAGES AND TECHNOLOGIES

SQL
Python
C/Java
R
PyTorch
Keras
Pandas
Numpy
Scikit-learn
Git
PowerBI

Awards

Abdul-Rahim Murad
Scholarship

Charles McKinney
Scholarship

Interesting Fact

Was born and raised in a
refugee camp (where my
family still resides).

Employment

Baylor Scott & White Health

Data Scientist

Dallas, Texas
Jan. 2019 to Current

- Built a model that predicts the HCAHPS top box overall rating of hospital based on HCAHPS survey and EHR data.
- Developed a model to predict the likelihood and the average donations for inpatients. The team saw a 35% increase in revenue generated in the first quarter due to the gains in efficiency and targeting the right patients.

EBI Data Analyst II

Feb. 2017 to Jan. 2019

- Created system-wide projects' performance tracking and analytical tools, including executive dashboards that enabled a transformational shift to a data-driven culture.
- Partnered with vendors to design and implement machine learning projects such as shortening inpatients' length of stay where we were able to reduce it by 8%.

Adeptus Health Inc. (NYSE: ADPT)

Senior Analyst

Dallas, Texas
Nov. 2015 to Feb. 2017

- Identified \$15 million revenue cycle improvement opportunity with root cause analytics to drive opportunity capture.
- Developed machine learning models to predict ER visits by location to improve site selection capabilities.

The Related Companies

Marketing Analyst

Dallas, Texas
Aug. 2014 to Aug. 2015

- Developed probabilistic model to predict tenant delinquency that enabled a pre-emptive engagement strategy and reduced delinquency rate by 25%.
- Performed primary research and segmentation analysis to inform media planning strategy.

Afak Institute

Adjunct Professor

Beirut, Lebanon
Apr. 2011 to Apr. 2012

Taught courses on Statistics and Econometrics to university-level students.

Gulfco

Marketing Analyst

Dubai, UAE
Apr. 2010 to Apr. 2011

- Created multivariate models to forecast demand resulting in reduction of out-of-stock/near-expiry products by 30%.

Education

The University of Texas at Dallas

MSc Economics 2014

Lebanese International University

BA Economics 2009

Professional Development

Deep Learning - deeplearning.ai

2018

5-course specialization by deeplearning.ai on Coursera. The courses are: NN and Deep Learning, Improving Deep NN: Hyperparameter Tuning, Regularization, and Optimization, Structuring Machine Learning Projects, Convolutional NN, and Sequence Models.

Machine Learning - Stanford University

2017

Learned and implemented Supervised and Unsupervised machine learning algorithms in Octave.

Statistical Learning - Stanford University

2016

Learned and implemented statistical learning algorithms in R.

Projects

Demystifying Deep Learning/Machine Learning

Publishing articles involving implementation of Deep Learning/Machine Learning algorithms in Python.