**RASHAD CHOWDHURY**

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**EDUCATION:**

B.S Economics | Minor: Statistics, Mathematics **Rutgers University |** 2018

**EXPERIENCE:**

**Morgan Stanley**  New York, NY Wealth Management Operations Associate Dec. 2018 – Current

* Completed adjustments to special processing requests including but not limited to: trade splits, trade adjustments and cancellations, and journaling entries.
* Assisting in migration from three-decade old mainframe platform to modern RBDMS based web application. Conducted audit procedures for the supply line to the same client by utilizing index match functions on supplier given data to compare pricing to contractual data.
* Utilized Excel Queries (VLOOKUP, IsBlank and Nested If's) to identify a data integrity issue, potentially saving investors assets and saving the firm unnecessary fines. Using the same excel queries, located the source of the discrepancy and notified appropriate channels.

**PROJECTS:**

**Exploratory Data Analysis and Data Consolidation Client: AMEX | Dec. 2018**

Temporary role for a short-term project done remotely. Utilized exploratory data analysis to produce summary statistics and graphic visualizations of employment data across global AMEX offices. Used Data wrangling principles to clean, transfer, and transmute data in a workable and consistent format that allowed for interesting and powerful visualizations. Utilized Excel queries (index match, VLOOKUP) and formulas to clean and consolidate multiple large data sets into a single, consistent formatted data set.

**Data wrangling and consolidation Client: DG3 | Aug. 2018**

Short term project requiring data cleaning and analysis of over a hundred thousand transactions. Produced 6 - months’ worth of reports in the span of two weeks. Conducted audit procedures for client Goldman Sachs by utilizing complex excel queries (VLOOKUP’s, Pivot tables). Used these methods to clean data and produce monthly statements for DG3 on both supply and sales metrics. Conducted audit procedures for the supply line to the same client by utilizing index match functions on supplier given data to compare pricing to contractual data.

**VAR Estimation of Inflation on Interest rates, Real GDP, and M2**

VAR of order P on the given variables: Nominal Money supply, GDP Deflater, Federal funds rate, and Real GDP (Output) using R and Python. To produce results of value, we must transform the variables to comparable units and then continue with our analysis. Produced impulse response diagrams and graphical analysis to represent exogenous shocks in correlated data streams.

**Logit Analysis and Tree classification of Patient Health Information from Heart Disease Data**

Python (Scikit learn, Pandas) to produce a maximum-likelihood based estimation on Heart Disease

variables given by UCI Machine Learning laboratory. Variables included classifiers and numeric values

to quantify certain health measurements. Produced a boosted tree on the data to help predict the binary classification of patient heart disease status (Latent vs Advanced).

**SKILLS:**

**Advanced**: Econometric and Financial modelling (Business Analytics); Forecasting (Time Series, State Space Models); Statistical and Predictive Analysis; Microsoft Office Suite (Word, PowerPoint, Excel, Visio); Scripting (Python & R); Data visualization (Tableau, D3.js, ggplot)

**Intermediate**: Programming (Java); Relational Database Languages (SQL). Statistical packages (SAS, MATLAB); Python packages: NumPy, Pandas, Scikit-learn.

**Beginner**: Hadoop (Hive, Hbase), AWS, Data Streaming (Kafka), ETL, Cloud analytics (AWS Lambda)