

MORGAN TAMAYO

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Education

MS IN APPLIED STATISTICS

Kennesaw State University

Aug 2017—July 2019

BS IN MATHEMATICS

Kennesaw State University

Aug 2012—Dec 2016

Work

CONTRACTOR / GRADUATE ASSISTANT

Unnamed Financial Company in Atlanta, Ga.

Aug 2018 — Dec 2018.

- Cleaned car loan payment data using R.
- Developed model to predict which customers would default or pay their loans off in full.
- Delivered framework for creating risk likelihood scores for customers.

CONTRACTOR / GRADUATE ASSISTANT

Blue Cross Blue Shield of Tennessee in

Chattanooga, TN. May 2018 — Present.

- Cleaned and modeled physician data in Python.
- Elucidated new factors affecting physician expenses in perinatal care.

GRADUATE ASSISTANT

Kennesaw State University in Kennesaw, Ga.

Jan 2018 — May 2018.

- Analyzed Chemistry students' performance data.
- Provided analysis of textbook visual representations for a Kennesaw State University professor.

Projects

SOLAR PANEL ANALYSIS FOR SOUTHERN COMPANY

- Lead team using SAS to analyze solar panel and weather data to recommend ideal panel-washing intervals.
- Presented recommendations showing efficiency improvements in scheduling washes to Southern Company.

WEATHER ANALYSIS FOR SOUTHERN COMPANY

- Employed SQL to join airport weather data scraped via R with cleaned and organized customer conversion data.
- Created SAS visualizations (maps and graphs) for final presentation to Southern Company executives.
- Presented findings detailing correlations between weather data and customer conversion rates.

CLICKSTREAM ANALYSIS FOR THE HOME DEPOT

- Worked with .5 terabytes of clickstream data to find insights about customer behavior.
- Cooperated with The Home Depot on data dictionary definitions.
- Merged tabled and selected variables using SQL
- Utilized survival analysis for insight into variables leading to customers leaving the THD website.
- Presented winning findings and suggestions to The Home Depot executives.

Skills

TOOLS

SAS, R, SQL, Python, Excel.

METHODS

Advanced Regression, Binary Classification, Data Mining, K-means Clustering.