# Rebeca Lamas

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## Summary

Data analyst with a B.S in Mathematics from Virginia Tech and a certificate in Data Visualization from University of Richmond. A self-starter with excellent communication, organization and time-management skills honed by previous experience as a high school math teacher. An analyst with a thirst to continuously learn coupled with an inquisitive nature makes a valuable addition to any team.

## Education

**Data Analytics Bootcamp Certificate: University of Richmond**, Richmond, VA
A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, Pandas, JavaScript, SQL Databases, Big Data, and Machine Learning.

**M.S. Education - Curriculum and Instruction**: **Virginia Tech**, Blacksburg, VA. Graduated 2017, GPA: 4.0/4.0

**B.S. Mathematics**: **Virginia Tech**, Blacksburg, VA. Graduated 2016, GPA: 3.54/4.0

## Related Courses

- Into to Programming in Java
- Statistics for Engineers
- Advanced Calculus
- Applied Combinatorics
- Multivariable Calculus
- Linear Algebra

## Technical Skills

**Tools:** Python, Javascript, Pandas, Matplotlib, Excel, Bootstrap, D3, Leaflet, Flask
**Databases:** SQL, postgreSQL, mongoDB

## Projects

**Machine Learning Project** | https://github.com/rebeca-lamas/machine-learning-project
- Created a logistical regression model to predict if a movie would be in the top 20 box office movies.
- Created a multiple linear regression model to predict the box office for a movie.

**Garmin Fitness Dashboard** | https://github.com/rebeca-lamas/garmin-dashboard
- Created visualizations aimed to reveal insights into how active a user is on a macro level thus filling gaps in the current Garmin visualizations.
- Responsible for creating the day/hour heatmap, barchart, bubble map and table.
- Transformed data using Python and Pandas. The dashboard was created with Javascript, D3, anime.js.

**Education-Home Price Analysis ETL Pipeline** | https://github.com/jmaup723/Project-2---ETL
- Created an Extract, Transform, and Load (ETL) pipeline for sentiment analysis of sale price of homes and school scores in Virginia in 2018.
- Responsible for scraping Great Schools website for all public (non charter) schools information.
- Transformed data using Python, Pandas, BeautifulSoup, then loaded and queried data in postgreSQL.

## Experience

**High School Mathematics Teacher** 2017 – present
**Matoaca High School, Chesterfield County Public Schools** Chesterfield, VA
Teach AP Calculus AB, and Geometry. Strong communication skills enabled me to break down complex topics so that all students were capable of learning. Strengths include ability to plan long term to ensure all material is covered and ample review time is provided. Selected in 2018 by Assistant Principal to lead the Geometry Professional Learning Community at Matoaca High School.