

Valeria Pineda Romero

Mexico

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EDUCATION

Master of Science in Engineering

Tecnológico de Monterrey

Mexico

2020-2022

GPA: 4.0

B.S. in Industrial and Systems Engineering

Tecnológico de Monterrey

Mexico

2016-2020

GPA: 3.7

LANGUAGES

Spanish | English

SITES



<https://github.com/ValeriaPineda23>



<https://www.kaggle.com/valeriapineda>



<https://www.researchgate.net/profile/Valeria-Pineda-Romero>



<https://www.linkedin.com/in/valeria-pineda-romero/>

WORK EXPERIENCE

Teaching Assistant

Tecnológico de Monterrey · August 2021 - December 2021

- **Regression Analysis:** Developed basic data science activities on "Multiple Linear Regression Analysis" using Jupyter Notebook.
- **Data Visualization:** Designed Dashboards in the ArcGIS platform for student implementation.
- **Literature Review:** Supported the writing of a literature review related to the analysis of developed Models for Logistics Network Design and Optimization

Physical Logistics Intern

BMW Group · February 2020 - June 2020

- **Continual improvement process:** Supervised three service suppliers and implemented cost-saving initiatives to address long-standing operational problems.
- **Data Visualization:** Generated four daily status and three weekly reports detailing logistic operations and problems regarding logistics KPIs.

Floor Walker

BMW Group · January 2019 - June 2019

- **Time Series Analysis:** Reduced time delay of supply to line process by 50%, through time series analysis and monitoring warehouse operations.
- **Exploratory Data Analysis (EDA):** Supported Supply Chain processes such as material flow, supply to line, warehouse management, and IT issues performing exploratory data analysis of the company's operational datasets in SAP STARD ERP.

RELEVANT EXPERIENCE

- **Classification Analysis:** Built a machine learning classification model capable of identifying the effect of students' demographic information and daily habits on their online class experience ratings during COVID-19.
- **Clustering Analysis:** Implemented a clustering technique to develop a solution for a Mexican company's storage location assignment problem, which decreased the order picking process time by 11.33%.
- **Time Series Analysis:** Developed an Auto-Regressive model that predicts National Workplace mobility in Mexico throughout November 2020.
- **Time Series Clustering:** Developed a clustering analysis to group Mexican States in terms of Workplace mobility during COVID-19.

RELEVANT COURSE WORK

Data Science; Multiple Linear Regression; Machine Learning; Data Analytics; SQL for Data Science; Data Science: R; Intelligent Systems; Computing Fundamentals; Statistics I; Statistics II; Optimization Models; Design and Analysis of Experiments; Statistics Engineering; Decision-Making Models

SKILLS

Technical

- **Machine Learning:** Classification; Regression; Clustering; Time Series Analysis; Feature Engineering; Data Visualization; Exploratory Data Analysis.
- **Statistics:** Regression; Confidence Intervals; Hypothesis Testing; Outliers Analysis; Goodness of Fit Test; Descriptive Statistics.

Coding

- Python (Scikit-learn, Pandas, Numpy, Matplotlib), R (tidyr, dplyr, ggplot, caret, pracma), MATLAB, SQL, Latex.