

# Lorenz Mateo

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## Professional Summary

Data analyst and an Industrial-Organizational Psychology graduate student comfortable employing sound research methodologies to maximize workplace mental health in stressful work conditions. Passionate about using numbers, visualization, and psychological models and theories to condense large data into a simple to understand story and excited for the opportunity to innovate for an organization.

**Technical Skills:** Excel (including VBA), PowerPoint, SQL, Python, Tableau, HTML5, CSS, JavaScript, GitHub, MongoDB, PostgreSQL, GIT, AWS, Flask, Seaborn, Scikit learn, Databasing, Pandas, Jupyter Notebook

**Core Qualifications:** Facilitating Organizational Change, Organizational Theory & Behavior, Developing High-Performance Teamwork, Strengthening Leadership & Mgmt., Performance Assessment & Program Evaluation, Research Methodology, Statistical Methods, Improving Customer Relations, Training and Development, and Human Resource Fundamentals

## Projects

**NFL Pass Result Predictor** | [Story](https://tinyurl.com/y82xr7ln): <https://tinyurl.com/y82xr7ln> | [Code](https://github.com/lmateo707/nfl20201_BigDataBowl): [github.com/lmateo707/nfl20201\\_BigDataBowl](https://github.com/lmateo707/nfl20201_BigDataBowl)

- Predicted pass results in the NFL Big Data Bowl 2021 Kaggle Competition given a variety of metrics and descriptive factors
- Produced single variable regression, multiple variables regression, and random forest regression using Python (Scikit-Learn, Pandas, NumPy, SciPy, Matplotlib, and Seaborn) and created story in Tableau

**Vacation Rentas** | [Live](https://airbnb-boston.herokuapp.com/): <https://airbnb-boston.herokuapp.com/> | [Code](https://github.com/lmateo707/airbnb_dashboard): [https://github.com/lmateo707/airbnb\\_dashboard](https://github.com/lmateo707/airbnb_dashboard)

- Visualized listings, hosts, and reviews data for vacation rental properties in four Boston districts
- Performed ETL in Python and SQLite, created front-end in HTML, CSS, and JavaScript (Plotly and ZingChart), and connected back-end database to front-end in Python (Flask and SQLAlchemy)

**Boston Airbnb ETL** | [Code/Writeup](https://github.com/lmateo707/boston_abnb_etl): [https://github.com/lmateo707/boston\\_abnb\\_etl](https://github.com/lmateo707/boston_abnb_etl)

- Composed Python and SQL scripts to extract data from multiple CSV files, transform and clean that data, and load the data into a SQL schema

## Work Experience

### Morningstar Residents

2019 – 2020

Assistant Property Manager

- Manage rental properties by advertising and filling vacancies; maintain safe, clean, and secure premises at 11 properties
- Maintain a proper management plan, preventative maintenance policies, and operations.
- Investigate and resolve tenant complaints; coordinate maintenance, housekeeping, and property management teams to meet customer service expectations

## Education

### Certificate, Data Analytics

University of California, Berkeley

2020

### Bachelor of Arts, Psychology

Minor: Business

University of Hawaii, Manoa

2019

### Master of Arts, Industrial-Organizational Psychology

Concentration: Human Resource Management

Touro University, California

2021