

# MARWIN OSPINA

## DATA ANALYST

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### TECHNICAL SKILLS

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SQL, Python, Tableau, Statistics, Advanced Excel, Google Analytics

### PROJECTS

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#### NYC Taxi & Limousine Commission Vendor Evaluation for Jan - June 2016

*Analyzed the performance of two vendors by examination of 500,000 rides*

- Used SQL, Excel, Python (Numpy, Pandas, Seaborn, Matplotlib, and Scipy), and Tableau for importing, cleansing, and exploratory data analysis (EDA)
- Performed a Welch's t-test to understand if there was a statistical difference between the vendors' trip duration
- While both vendors had equal avg. trip duration, the t-test showed their avg trip durations are different

#### Airbnb Berlin

*Analyzed a total of 24,678 listings in Berlin, Germany from 2008 until 2020*

- Imported, cleansed, and filtered data to recommend investing options and predict prices
- Used Python (Numpy, Pandas, Seaborn, Matplotlib, Statsmodel, Scikit-learn), and Tableau for EDA
- Found through the data that four and five-bedroom apartments in the neighborhoods of Friedrichshain-Kreuzberg and Charlottenburg-Wilmersdorf neighborhoods are best to invest
- Ran a linear regression model to predict future prices for listings

#### NYPD Meeting: How not to Become a Statistic

*Team analysis of 33,358 civilian complaints of the NYPD*

- Extracted and investigated the Civilian Complaint Review Board (CCRB) data
- Used Excel, SQL, and Python (Numpy, Pandas, Seaborn, Matplotlib) to study the dataset and find insights to incorporate into Tableau visualizations
- Found through EDA that White members of service (MOS) have the highest number of complaints by civilians of all ethnic groups, and Black civilians suffer the highest police misconduct by MOS of all ethnicities.

### EDUCATION

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Galvanize New York  
DATA - Data Analyst Training Accelerator  
Award Recipient, 1 of 33 out of 2,714 appl.

Hunter College, City University of New York  
Media Communications  
Academic Award Recipient

### PROFESSIONAL EXPERIENCE

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| Quant Systems Inc., Sales and Technical Research   | Apr. 2014 - Apr. 2017  |
| <ul style="list-style-type: none"><li>• Created marketing and sales material</li><li>• Created sales presentations for various clients</li><li>• Assisted in sales and management activities</li></ul>   |                        |
| nextPression, Technical Research   | Sept. 2009 - Jun. 2012 |
| <ul style="list-style-type: none"><li>• Performed competitive-product research analysis</li><li>• Created business case and roadmap</li><li>• Created sales presentations</li></ul>  |                        |
| Barneys New York, Sales Associate  | Nov. 2006 - Jul. 2009  |
| <ul style="list-style-type: none"><li>• Met and exceeded sales goals and expectations</li><li>• Assisted clients with selections, fittings up to the closing of the sale</li><li>• Maintained cash registers and trained new employees</li></ul> |                        |