

# Juan Sebastian Roa

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## Summary

Committed and motivated Data Scientist, bilingual (English, Spanish), with a proven ability to effectively solve problems. A results-driven and hands-on leader. Expert in the discovery of helpful insights to support decision-making process and deploying data science applications to increase business profitability and performance.

## Education and Honors

### DataCamp Professional Data Scientist Certification

Jun 2021

- Tested on the knowledge, skills, and abilities to perform a data scientist role such as data management, statistical experimentation, model development, and coding for production environments.
- More than 120 hours of completed coursework.

### Universidad de los Andes (Bogotá, Colombia)

Jan 2012 - May 2015

MSc in Industrial Engineering (Major in applied statistics and operations research)

**Full-tuition scholarship**

### Universidad Militar Nueva Granada (Bogotá, Colombia)

Jan 2006 - May 2011

BSc in Industrial Engineering

**Graduated with honors (Cum Laude)**

## Technical Skills

**Programming languages:** Python, SQL, MySQL, Matlab

**Machine Learning:** Linear regression and classification algorithms, deep learning, segmentation/clustering

**Libraries:** Matplotlib, Seaborn, Pandas, NumPy, Scikit-Learn, SciPy, Keras, TensorFlow, BeautifulSoup

**Analytics:** Power BI, Data Studio, Excel

**Data Science:** Statistics, Hypothesis testing, GitHub, Data science pipeline (manipulation, cleaning, visualization, modeling, testing, interpretation)

## Professional Experience

### Freelance - **Data Scientist** (Jersey City, NJ)

Jan 2020 - Present

#### Sample Projects

- Dashboard implementation in Power BI.
- Data collection through API's and web-scraped data.
- Report automation.

### Global Hitss - **Business Intelligence Coordinator** (Bogotá, Colombia)

Dec 2018 - Jan 2020

- Managed a team of 8 employees responsible for commercial data analysis.
- Deployed a cluster model to optimize the sales process. Sales productivity increased by 30%.
- Implemented Power BI, achieving reporting automatization and saving 25% in data processing time daily.

### Atento - **Business Intelligence Coordinator** (Bogotá, Colombia)

Jun 2015 - Dec 2018

- Managed business intelligence process for commercial direction. Dashboards updated and tracking reports delivered for 700+ sales force and more than 20 managers daily.
- Supervised a project to standardize sales information, reducing the number of claims by 40%.
- Delivered sales data on time to ensure more than 200K USD in monthly commissions were paid efficiently.

### ARCOM - **Data Analyst** (Bogotá, Colombia)

Jul 2014 - Jun 2015

- Planed and allocated resources for help-desk operations, optimizing cost and productivity.
- Developed dashboards to support decision-making.
- Executed an optimization model, reducing operational cost by 28%.