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Mateo Córdoba Toro

Data Scientist / Developer

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Economist with experience in development Big Data products, capable of providing appropriate solutions for strategic direction through analysis, transformation and communication of data. Solid knowledge in statistics and programming tools with interests in modeling and applying machine learning solutions.

SKILLS

Tools and Languages R, SQL, Python, HTML, CSS, JavaScript, Git, \LaTeX , Markdown

Visualization tools Shiny, GoogleVis, Plotly, Tableau, Ggplot2, Leaflet

Communication English, Spanish

TECHNICAL EXPERIENCE

Big Data Product Developer 11 2021 — Current
StatBDSolutions SAS (Remote) Colombia

- Make large and complex data sets accessible and understandable through data visualization (Shiny/Plotly/Ggplot2/Leaflet).
- Analyze large data stores (R-Spark) and uncover insights.
- Improve user experience using custom CSS/HTML/Js.

Analyst 02 2021 — 10 2021
Procesos Inteligentes Ltda Bogota, Colombia

- Consult, update or create databases (SQL) in the data warehouse (Snowflake) and transform (Tidyverse package R) them into the necessary format to generate financial modeling.
- Transforming operational data into business intelligence indicators.
- **PROJECT:** Development of a cost prediction model associated with each patient, taking into account the medical diagnosis.

Econometrics Unit Intern 07 2020 — 12 2020
Bank of the Republic of Colombia (Colombia Central Bank) Bogota, Colombia

- Estimation of a by threshold cointegration model (TVAR - TVEC) to determine a threshold effect of corruption and its effects on infrastructure investment (tsDyn package R).
- Development of a graphical user interface using Shiny/R for inflation forecasts.

Academic Monitor - Macroeconomics/Differential Calculus 01 2019 — 12 2020
Universidad Sergio Arboleda Bogota, Colombia

- Pedagogical and didactic support to department professors.

EDUCATION

Statistics Specialization, Universidad Nacional de Colombia Current

Bachelor of Economics, Universidad Sergio Arboleda 12 2020
Academic Scholarship 2018 — 2020

COMPLEMENTARY EDUCATION

Data science Specialization: Foundations using R Online - 2021
Johns Hopkins University - COURSERA
R programming, Reproducible research, Exploratory data analysis, The data scientist Toolbox, Getting and cleaning data.

Data science Specialization: Statistics and Machine Learning Online - 2022
Johns Hopkins University - COURSERA
5 courses: Statistical Inference, Regression Models, Practical Machine Learning, Developing Data Products.

Collaborative Economy Diploma Madrid, Spain - 12 2019
Centro de Excelencia Internacional Sergio Arboleda- CEISA
Practice workshop study Blablacar App case.

Service Excellence for Business Certificate Toronto, Canada - Nov 2021 - May 2022
ILAC International College