IVÁN VELÁZQUEZ

Mexico City
5541338675 | velazquez.im.96@gmail.com
LinkedIn: https://www.linkedin.com/in/iván-michel-velázquez/
GitHub: https://github.com/velazquez-Ivan96

SUMMARY

Data Analyst with a background in Sustainable Development Engineering and skills in handling and analyzing data with Python, Excel, VBA and SQL from *Tecnologico de Monterrey* Data Analytics and Visualization Bootcamp. Passionate about analyzing large sets of data from different fields to generate useful insights and help to make better decisions in organizations to the creation of shared value.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, HTML/CSS
Data Manipulation & Visualization: pandas, matplotlib, plotly.js, D3.js , Tableau, spark, R
Machine Learning: scikit-learn
Database: PostgreSQL, MongoDB
Other: Flask, Git, command line

PROJECTS

Global Pollution | https://github.com/velazquez-Ivan96/Global-Pollution-Project
- Analyzed the exposure to air pollutants and death rate due to air pollution
- Pulled data from OCDE API and used data from Our World in Data to assemble dataset.
- Summary statistics and visualizations created using python(plotly, pandas, seaborn, matplotlib) and Google API for map visualization.

Climate analysis app |
https://github.com/velazquez-Ivan96/Advanced-Data-Storage-And-Retrieval
- Analyzed climate conditions such as precipitation, temperature, rainfall and stations.
- Designed a Flask API with routes based on the initial analysis
- Summary statistics, visualizations, Flask API created using Python, Pandas and SQLAlchemy

Web application | https://github.com/velazquez-Ivan96/Web-scrapping-Mars-Project
- Designed a web app related to *Mission to mars* program
- Scrapped data from different websites, send it to a Mongo database and display it in a single html.
- Flask application, html page created using Python, Beautiful Soup, pandas, MongoDB, and splinter.

EXPERIENCE

Grupo Modelo   **8/2018 – 12/2018**
Project developer   **Mexico City**
- Investigated the physical and chemical properties of beer bagasse to return it to its value chain
- Prepared a business case for *Grupo Modelo* to take advantage of beer bagasse as a complement in papermaking.

EDUCATION

Data Analytics and Visualization Bootcamp
Tecnológico de Monterrey, Mexico City
An intensive 24-week program focused on acquiring technical skills for data analysis and visualization such as Excel, VBA, R, Python (SciPy, Numpy, Pandas Matplotlib, Seaborn, BeautifulSoup, SQAlchemy, Flask, Scikit-learn, PySpark), interactions with API, PostgreSQL, MySQL, MongoDB, ETL, HTML/CSS, Bootstrap, Javascript (D3, Plotly, Leaflet), and Tableau.

Sustainable Development Engineering
Tecnológico de Monterrey, Mexico City
Bachelor degree focused on the efficient use of energy and resources, use of waste and design of corporate sustainability strategies. Special focus on electrical energy.