

# JOSE L. CORREA DATA ANALYST PORTFOLIO

*Green Tech Engineer, solving building decarbonization and climate-related challenges through data processing.*



PROJECTS



MySQL

# NEW YORK STATE RESIDENTIAL HOMES ENERGY EFFICIENCY PROJECT

*The Residential Existing Homes Program is a market transformation program that uses contractors to install comprehensive energy-efficient improvements. Through data exploration in MySQL, the goal is to find the household characteristics and energy-efficient measures type that yields the highest savings.*



MYSQL CODE

RESULTS PRESENTATION

Python code for Data Cleaning,  
Analysis and Visualization

## AGRI-FOOD CO2 EMISSIONS

<https://jolucg.github.io/JLCG.github.io/>

Excel Dashboard

## ELECTRIC CARS PRICE



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Derived from Kaggle, the agricultural CO2 emission dataset focuses on detailing CO2 emissions linked to agricultural food production (agri-food). This dataset serves as a tool for comprehending and tackling the environmental

Analysis based on a 2023 Electric Vehicle database downloaded from Kaggle. The dashboard offers users a visual representation of car prices per manufacturer, battery capacity, and acceleration type, based on inputs such as the number of seats, speed, and efficiency.

DASHBOARD

<https://jolucg.github.io/JLCG.github.io/>

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implications of the agri-food industry, playing a pivotal role in the collective endeavor to mitigate climate change and establish sustainable practices within this vital sector.

LEANING

DATA ANALYSIS

DATA VISUALIZATION

Tableau Dashboard

Power BI Dashboard

## WORLD AIR QUALITY BY COUNTRY



This dashboard provides insights into the air quality of different regions, allowing researchers and policymakers to make informed decisions on how to address the issue of air pollution. The analysis is

## CANADA ELECTRICITY GENERATION



Covering the period from 2008 to 2022, this dashboard delves into the monthly provincial electricity generation in Canada. It encompasses

from a database downloaded from Kaggle.

**DASHBOARD**

various categories of electricity generation, source types, and producers. By empowering officials and investigators this visualization tool facilitates the understanding of Canada's energy generation. The data is sourced from a dataset obtained from Kaggle.

**DASHBOARD**

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