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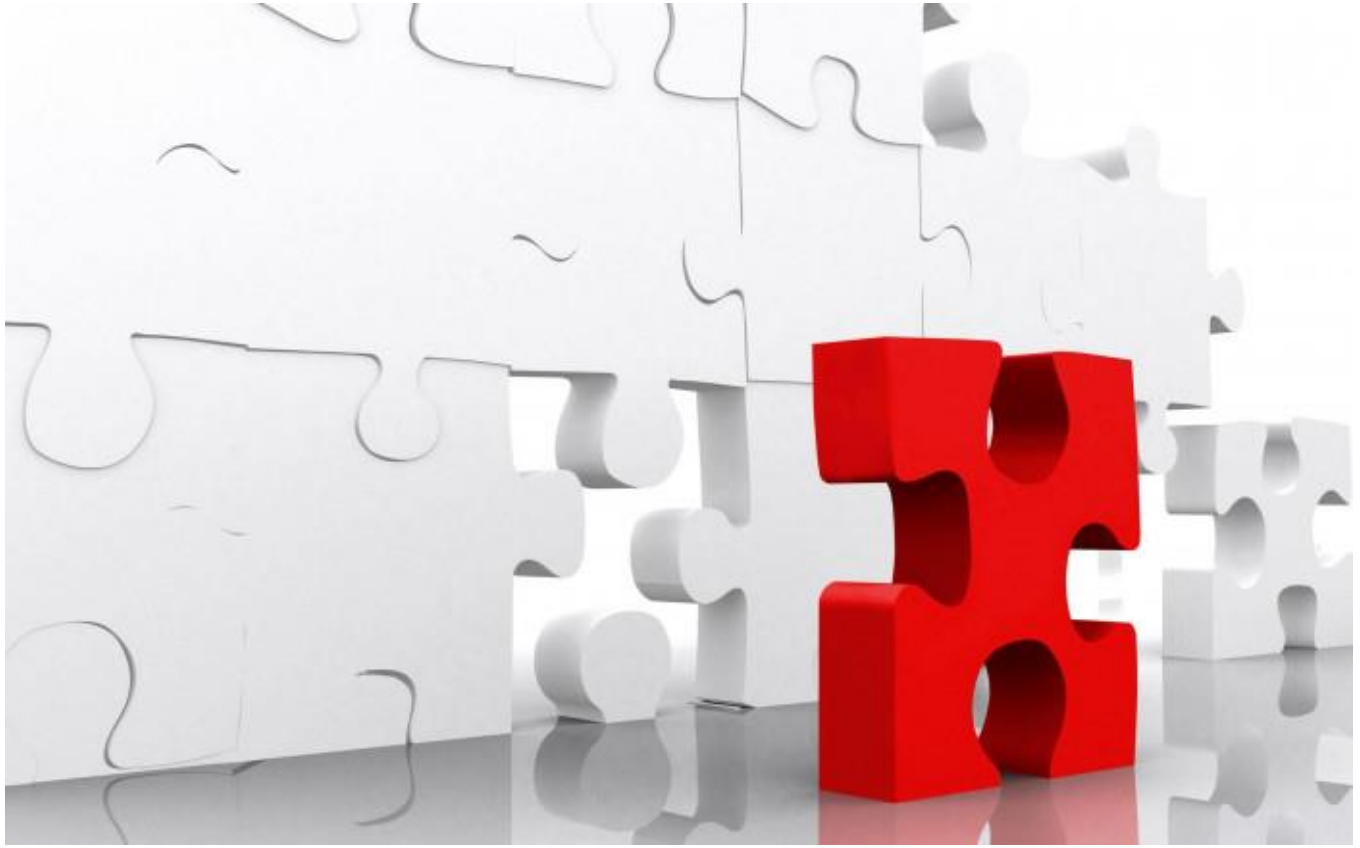

Introduction and The Problem

The Philippines, a country with lots of potential and strength, is dealing with a big problem: many people don't have jobs, especially during the COVID-19 pandemic, unemployment rate shot up to a high of 10.26%. What's even more alarming is the report that out of every 10 families, a staggering 6 families experienced a loss of income.

Unlocking Opportunities:

A Data-Driven Path to Alleviate Unemployment in the Philippines

Juven Dale Q. Colaste
Project SPARTA Scholar – Data Scientist Pathway

Our Approach and Data Sources

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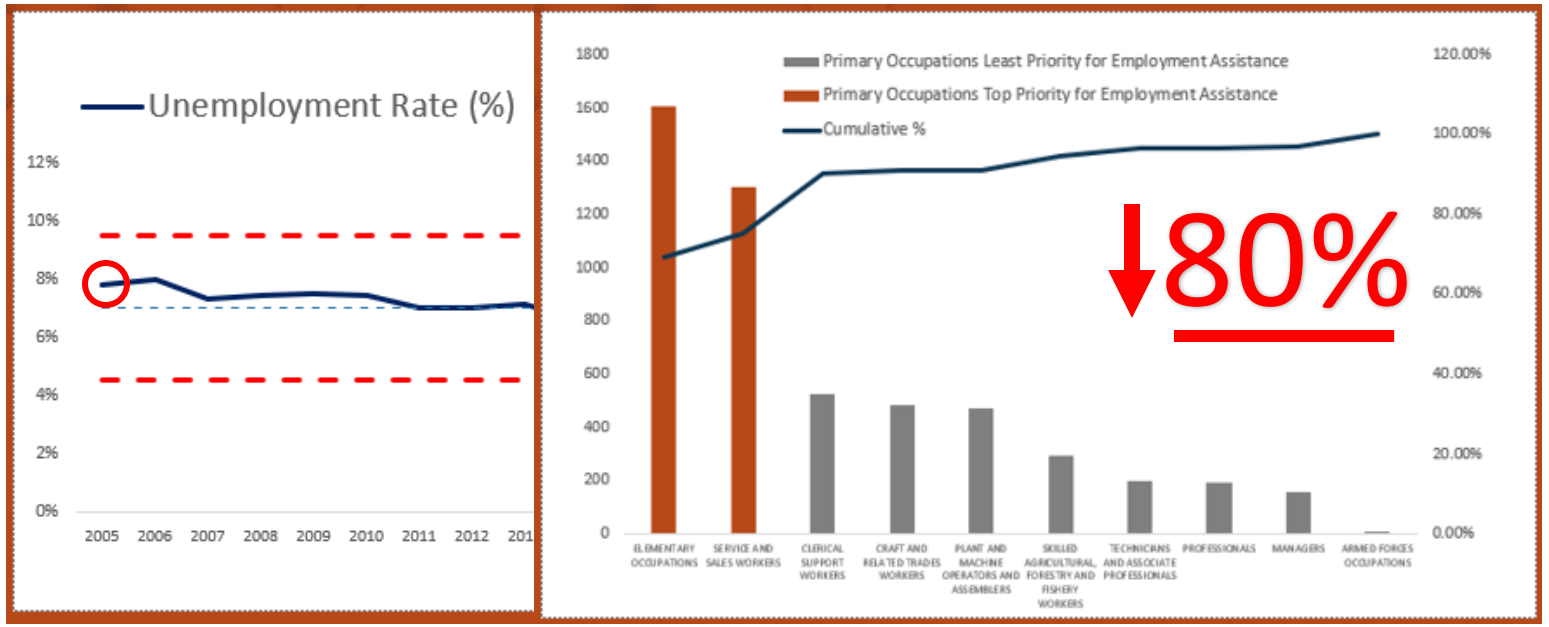


Data Analytics

How We're Getting Answers

The project will use the PHL-PSA-LFS-2021-01-PUF dataset and other relevant datasets, which provides information on the Philippine labor force.

We'll use descriptive analytics, including control chart and Pareto chart analysis, to gain insights and understand the challenges faced by unemployed Filipinos.

We'll employ predictive analytics through logistic regression to identify and assess factors influencing the likelihood of future unemployment.

We'll clean the dataset by removing errors or inconsistencies, import metadata, and reduce data noises.

We'll use diagnostic analytics like the Chi-square test and One-way ANOVA to pinpoint the factors contributing to unemployment in the Philippines.

We will explore and suggest policies and programs aimed to mitigate or reduce unemployment in the Philippines.

The Team

Juven Dale Q. Colaste

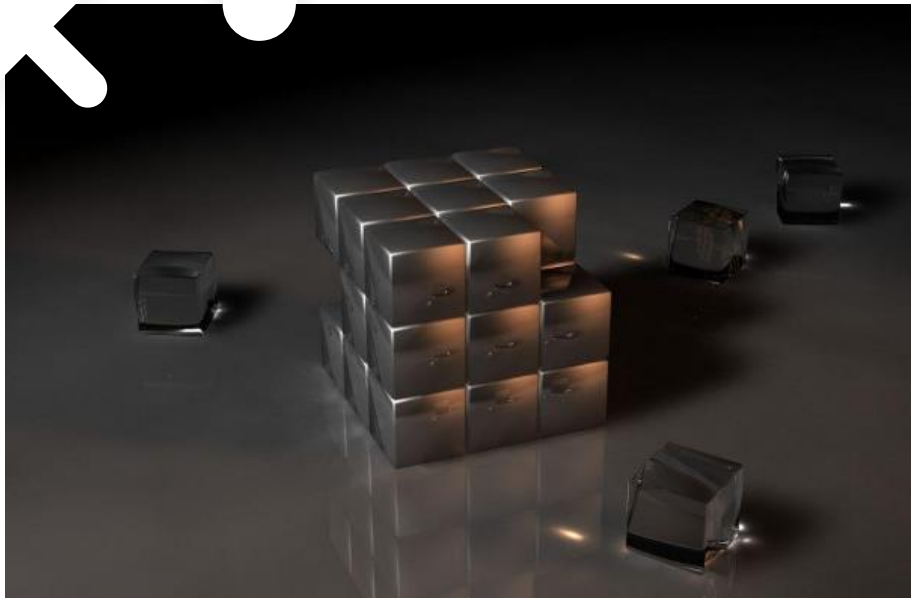
Scholar:
PROJECT SPARTA
Data Scientist Pathway

Former:

- *District Sales and Design Engineer*
- *Financial Advisor*

Education Background:

- BS. Computer Engineering
- University of Science and Technology of the Southern Philippines



And now …

Question and Answer Session

The way to get started is to quit talking and begin doing.
Walt Disney

Thank You

Juven Dale Q. Colaste
Project SPARTA Scholar – Data Scientist Pathway