

Data Cleaning - Impute Null Values

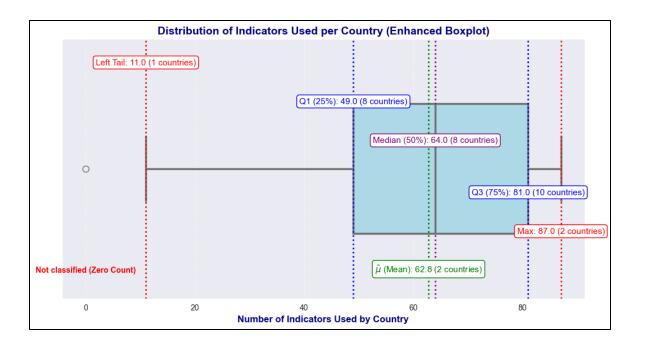
Use forward and backward filling to fill in values for missing years

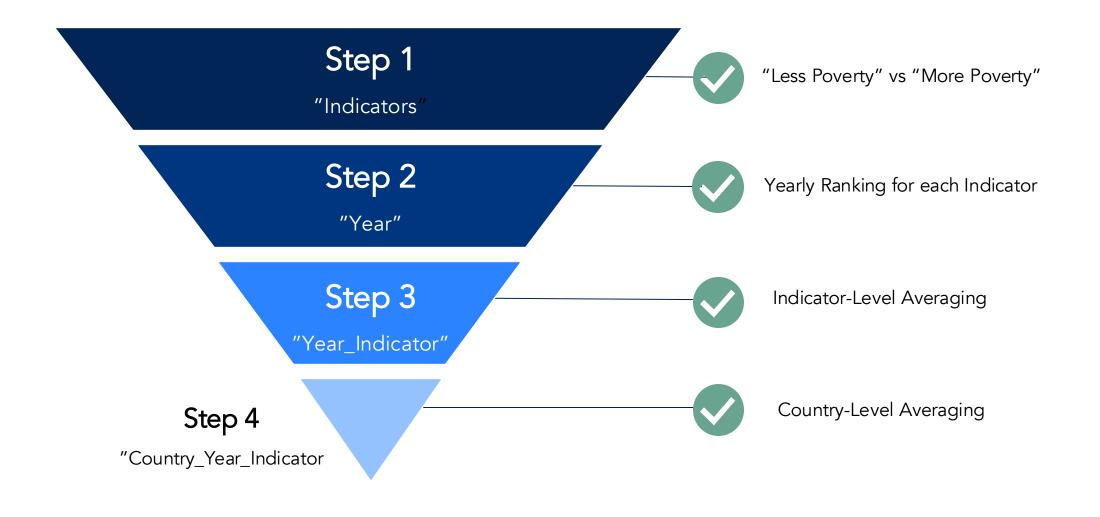
Filter Data - 2022 and 2023 Data

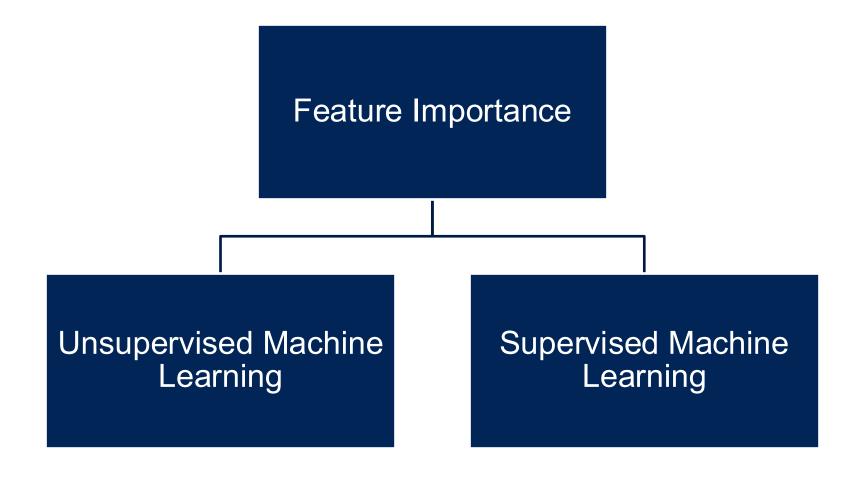
Assess the immediate aftermath and recovery efforts of COVID-19

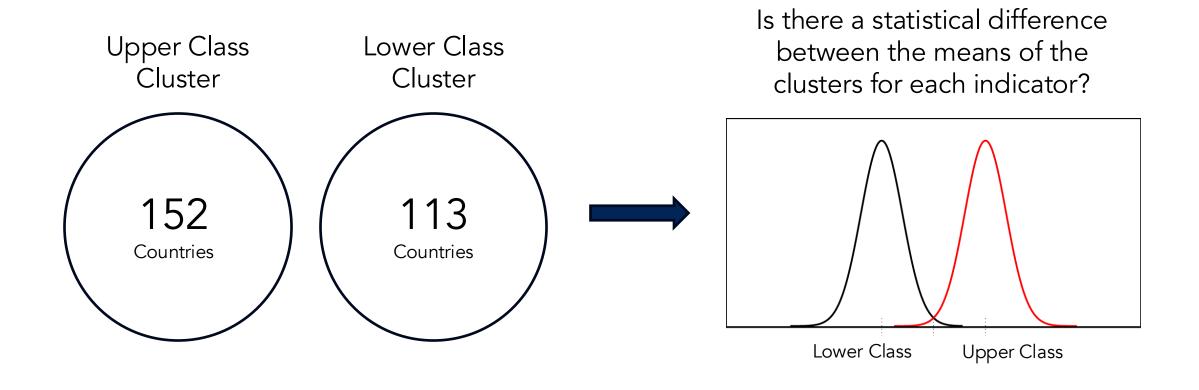
Exploration – Indicator Availability

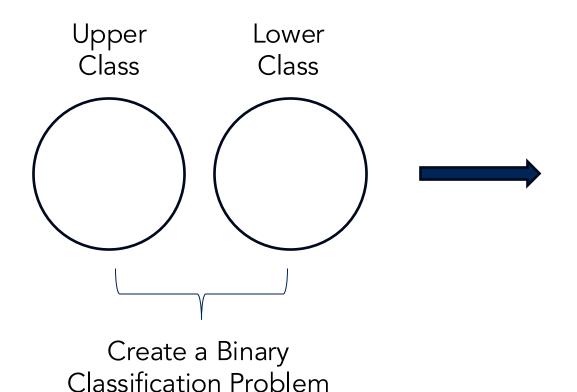
Explore the distribution of indicators used by each country



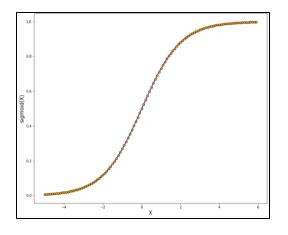




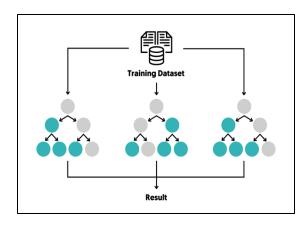




Logistic Regression

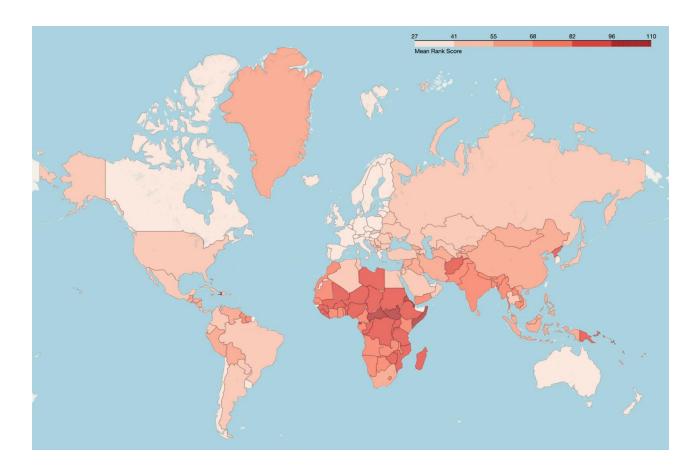


Random Forest



- 1. Determine which model performs better.
- 2. Extract feature importance from the best performing model.

Heatmap of Countries Coloured by MPI



Top 5 Most Affected Countries







1. Eritrea

4. South Sudan





5. Equatorial Guinea

Combined List of Important Indicators

Unsupervised Learning Method

- Clustering
- T-tests

Supervised Learning Method

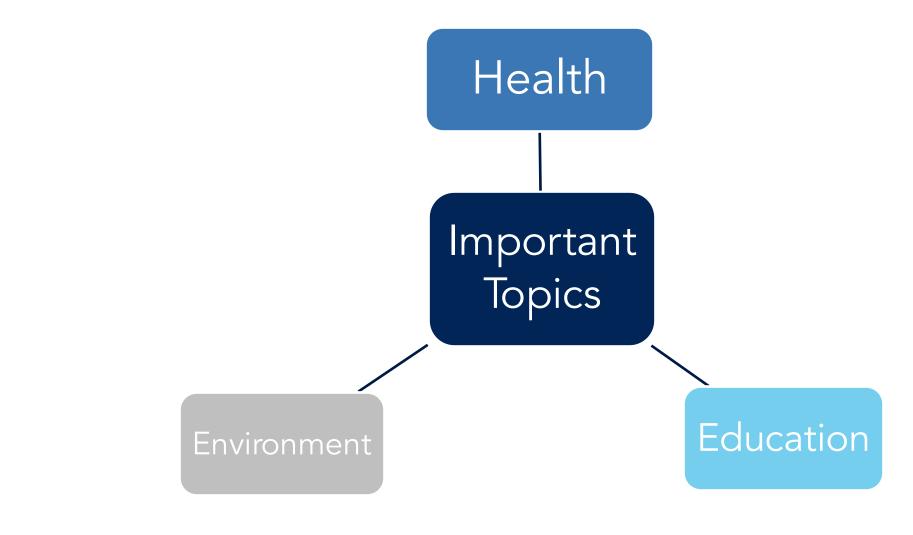
- Random Forest
- 96.2% classification accuracy

Main Topic	Indicators
Environment	 Access to Electricity Access to Clean Fuels and Technology
Health	 People Using At Least Basic Drinking Water Services Current Health Expenditure per Capita Adolescent Fertility Rate Births Attended by Skilled Health Staff Age Dependency Ratio
Education	Literacy Rate
Economic Policy and Dept	Adjusted net national income per capita

Introduction Data Exploration

Methodology

Results Policy Recommendation







- I. Software Integration
- 2. Real-Time Data Processing
- 3. Scalability and Flexibility
- 4. Industry-Specific Solutions
- 5. Global Partner Ecosystem



Monitoring Renewable Energy Schemes



SAP's analytics and IoT platforms monitor the efficiency and output of renewable energy installation and smart grids to ensure efficiency and sustainability



Healthcare Analytics



Integrate data from telemedicine and mobile health clinics to enable health professionals' access to patient records and resources in real-time



Digital Learning Environments



SAP SucessFactors can effectively handle teacher recruitment and training procedures

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Results

Policy Recommendation

