*Cluster Analysis*

**Business Objective**: Creating clusters on global development measurement dataset

**Data Set Details:**

The dataset has information about important economic and development metrics related to various countries across the globe.

**Variable Description:**

Birth Rate, Business tax, CO2emissions, Country, Days to start business, Ease of business, energy usage, GDP, healthexp%GDP, healthexp/capita, hours to do tax, infant mortality, internet usage, lending rate, life expectancy female, etc.

**Acceptance Criterion:**

Work on different clustering models, do a comparative analysis and need to deploy the clustering application on streamlit, flask etc.

**Milestones:**

**30 days to complete the Project**

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| **Milestone** | **Duration** | **Task start - End Date** |
| Kick off and Business Objective discussion | 1 day | 08-Nov-2024 |
| Dataset discussion | 2 to 3 days | 11-Nov-2024 |
| EDA | 1 Week | 15- Nov -2024 |
| Model Building | 1 Week | 22 - Nov - 2024 |
| Model Evaluation | 1 Week |  |
| Feedback | 1 week | 29-Nov-2024 |
| Deployment |
| Final presentation | 1 Day | 6-Dec -2024 |

Protocols:

1. All participants should adhere to agreed timelines and timelines will not be extended.
2. All the documentation – Final presentation and python code to be submitted before the final presentation day.
3. All the participants must attend review meetings.