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A diagram of a task

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Data Project questions and considerations

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Description automatically generated**Plan Stage**

1. What are you trying to solve or accomplish?

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all by 2030.

2. Who are your external stakeholders?

Global educational organizations, governments, local communities, and international donors.

3. What resources are you using?

UN data, educational research findings, policy analysis reports, and stakeholder interviews.

4. Ethical considerations?

Ensure that solutions do not disproportionately favor or harm any group, particularly in conflict zones and underserved regions.

5. s my data reliable?

Yes, sourced from reliable entities like the UN but should be continually updated.

6. What data do I need/would like to see?

Current school enrollment rates, literacy levels, and regional disparities in educational access.

7. What metric should I use to evaluate success?

Enrollment rates, literacy improvement metrics, and educational infrastructure development.

**A magnifying glass with a check mark

Description automatically generatedAnalyze Stage**

Revisit the objective. Does it still work?

Yes, the objective remains critical, but strategies may need adjustment based on the latest data.

2. Does the data break the assumptions of the model?

- No, but it highlights the need for targeted interventions in specific areas.

3.-Why select these variables?

- Variables like enrollment rates and literacy levels directly correlate with educational outcomes.

4. Purposes of EDA before constructing a model?

- To understand trends, identify outliers, and prepare data for modeling.

5. What has the EDA told you?

- \*\*Response\*\*: There are significant gaps in education based on gender, geography, and socio-economic status.

**A yellow circle with a pencil on a piece of paper

Description automatically generatedConstruct Stage**

1. Notice anything odd?

- Data inconsistencies in reporting from different countries need standardization.

2. Which independent variables for the model?

: Factors influencing educational access like economic status, gender, and regional conflicts.

3. Model fit and validation score?

- Model to predict educational outcomes based on socio-economic data and intervention strategies.

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Description automatically generatedExecute Stage**

1. Key insights from the model?

- : Targeted interventions in teacher training and infrastructure development are effective.

2. Criteria for model selection?

- : The model's ability to accurately predict outcomes and guide resource allocation.

3. Do you think your model could be improved?

- Yes, by integrating more real-time data and feedback mechanisms.

4. Business/organizational recommendations based on the models built?

- Increase funding in the most affected regions, promote gender equality in education, and enhance teacher training programs.