

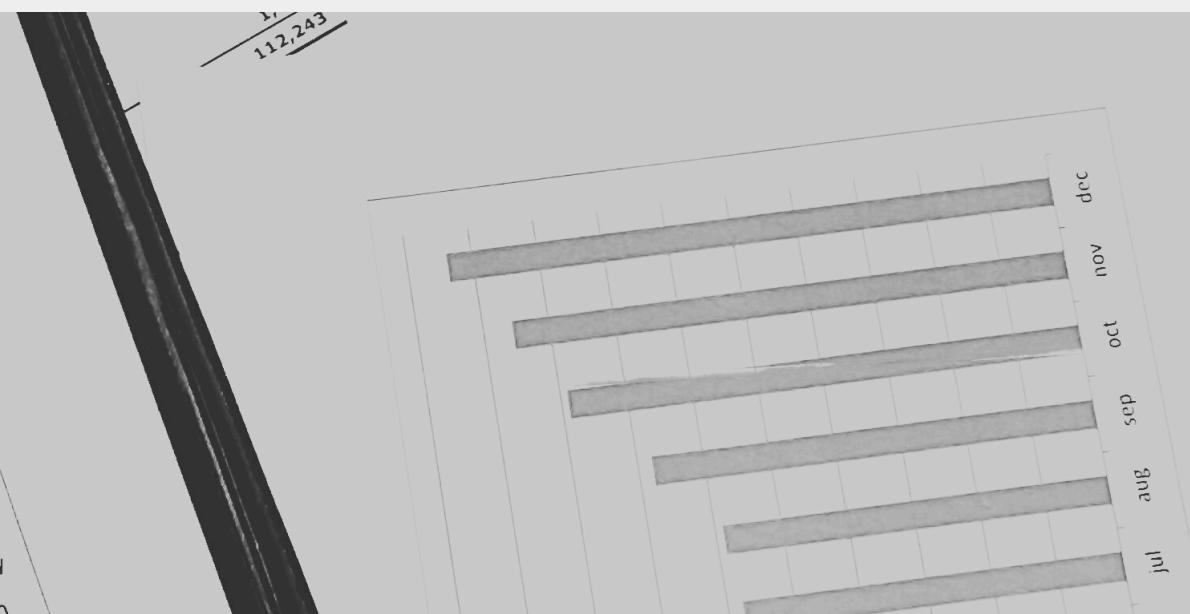
30/07/2024

QUALITY EDUCATION





Enhancing Education Quality Through Data-Driven Insights. Analyzing Enrollment, Dropout Rates, and Performance Metrics to Improve Access to Quality Education





OVERVIEW

KEY POINTS

- Briefly introduce SDG 4, emphasizing its goal to ensure inclusive and equitable quality education for all.
- Mention relevant targets (e.g., reducing dropout rates, improving literacy, increasing educational access in rural areas).

PROBLEM DEFINITION

The Problem: Educational Disparities in Rural and Urban Areas

- Define the specific problem: Rural regions face higher dropout rates and lower performance compared to urban areas.
- Mention statistics that highlight educational inequalities (e.g., low enrollment, resource gaps, high dropout rates).
- Introduce how a data-driven solution can address these disparities.





DATABASE DESIGN

- **Key Points:**
- Show a simplified ERD (Entity-Relationship Diagram) of the database, including entities such as regions, schools, students, and performance.
- **Highlight the key tables:**
- **Regions:** Stores information on different geographical regions.
- **Schools:** Stores school details (capacity, enrollment).
- **Students:** Stores student demographics, enrollment status.
- **Performance:** Tracks student test scores and performance.



DATA ANALYSIS APPROACH

- **Query 1: Retrieve enrollment data across regions.**
 - **Query 2: Analyze dropout rates over the last 5 years.**
 - **Query 3: Calculate average test scores by region.**
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MEET OUR TEAM

- **Insight 1: Higher dropout rates in rural areas compared to urban areas (use specific numbers to support).**
 - **Insight 2: Urban schools show significantly higher average test scores (present sample data).**
 - **Insight 3: Gender-based analysis reveals a higher dropout rate among male students in rural schools.**
 - [https://docs.google.com/spreadsheets/
d/1BEQ2XoJzXNCCF7Gz2EmmojjxnCu_1pYNMAWpItOETIQ/edit?
gid=398412004#gid=398412004](https://docs.google.com/spreadsheets/d/1BEQ2XoJzXNCCF7Gz2EmmojjxnCu_1pYNMAWpItOETIQ/edit?gid=398412004#gid=398412004)
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THANK YOU

