Ethiopian Insurance Corporation – Power BI Analysis

📌 Project Overview

This project analyses historical data of the **Ethiopian Insurance Corporation (EIC)** Motor Insurance using Power BI.
The goal was to uncover **business performance insights** with focus on **premiums, claims, and profitability trends**.

📊 Business Story

EIC issued **over 500,000 policies**, collected **$4B in premiums**, but paid **$9B in claims**.
This means for every **$1 earned in premium, $2.25 was paid in claims**.

🔍 Key Insight:
High claim ratios like this make an insurance business unsustainable, ultimately leading to **business wind-up**.

📈 Key Insights

- **Premium vs Claim Ratio** → Showed continuous losses year after year due to more claims.

- **Vehicle Usage Trends** → Some segments had much higher claim ratios than others.

- **Policyholder Growth** → Despite increasing policies, profitability declined.

- **Yearly Analysis** → Claims kept rising faster than premiums.

📌 Learnings

- In insurance, **profitability depends on keeping claims < premiums collected**.

- Monitoring **loss ratios** regularly is critical.

- **Risk segmentation** (vehicle type, usage, demographics) can prevent financial collapse.

⚙️ **Tech Stack**

- **Power BI** – Data visualization & storytelling
- **Excel/CSV** – Source data
- **DAX** – Measures & calculations

🙌 **Acknowledgements**

This project is inspired by the **Ethiopian Insurance Corporation motor insurance case** and aims to show how **data-driven insights** can highlight risks in the insurance business model.