**Credit Risk Dashboard — Executive Summary**

**Problem:**

Rising defaults among specific customer segments are driving financial losses and increasing overall portfolio risk.

**Objective:**  
Analyse credit-card customer default risk, identify high-risk segments, and provide actionable recommendations to mitigate financial losses.

**Dataset:**  
Default of Credit Card Clients Dataset (Kaggle, 30k+ records)

**Key Findings:**

* Customers aged **21–30** show a **2.5× higher default rate** compared to older age groups.
* **Low education levels** are strongly correlated with higher delinquency.
* Customers with **3+ delinquent months** are having ~70% probability to default in the next cycle.
* High **credit utilization** (close to limit) combined with late payments significantly increases default risk.

**Recommendations:**

* **Manual Review:** Flag and manually review all new applicants with **RiskScore > 70** before approval.
* **Limit Management:** Lower initial credit limits for customers aged **21–30**, then **step-up** gradually based on consistent payment behaviour.
* **Targeted Interventions:** Provide **financial literacy programs** and flexible repayment plans to high-risk segments to improve repayment discipline.
* **Portfolio Monitoring:** Implement **monthly risk monitoring dashboards** to track emerging trends and intervene early.

**Limitations:**

* Dataset is a **simulation (UCI Credit dataset)** and not actual bank data.
* Results are limited to **6 months of history** — longer observation would improve accuracy.
* Recommend **machine learning model + back testing** before live deployment.