

# README: Black Money Project

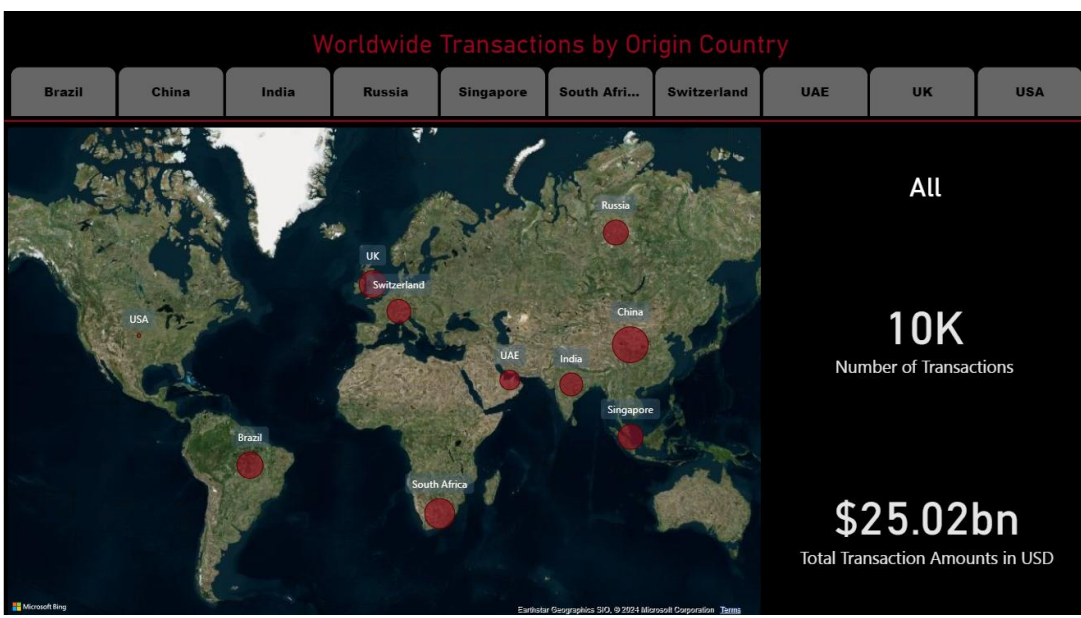
## Project Overview

The Black Money Project analyzes global financial transactions to identify trends, risks, and patterns, focusing on high-risk activities and tax haven involvement. The visualizations provide actionable insights into transaction volumes, risk scores, and industry-specific risks.

## Dashboard Pages

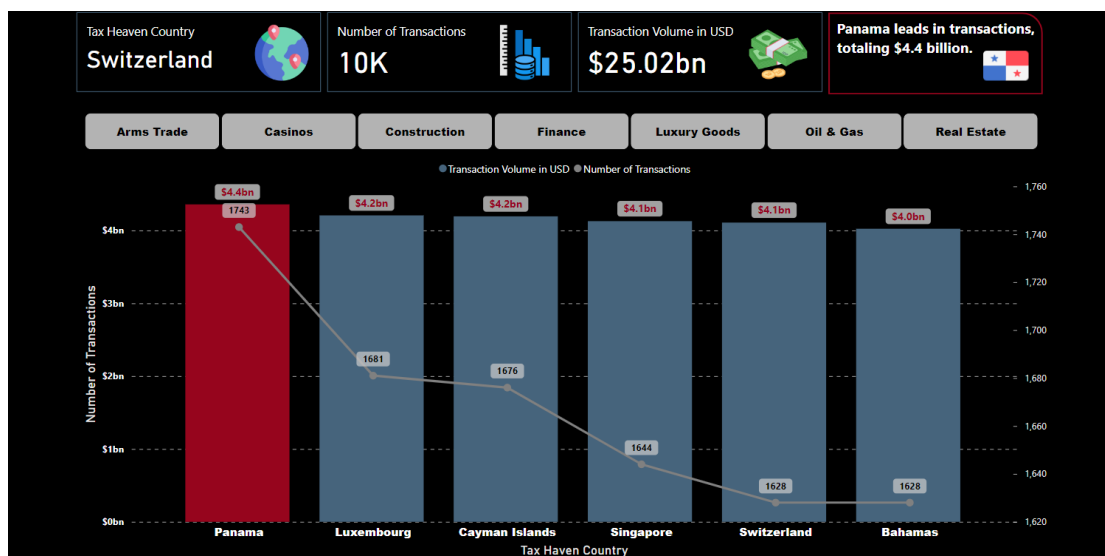
### 1. Worldwide Transactions by Origin Country

- **Description:** This page provides a global map highlighting transaction volumes originating from each country. Users can filter transactions by country, risk category, and transaction type.
- **Key Features:**
  - Interactive map with bubble sizes representing transaction amounts.
  - Slicers for dynamic exploration of countries, transaction types, and risks.
- **Insights:**
  - Identify countries with the highest transaction amounts.
  - Drill into specific countries to understand their transaction trends.



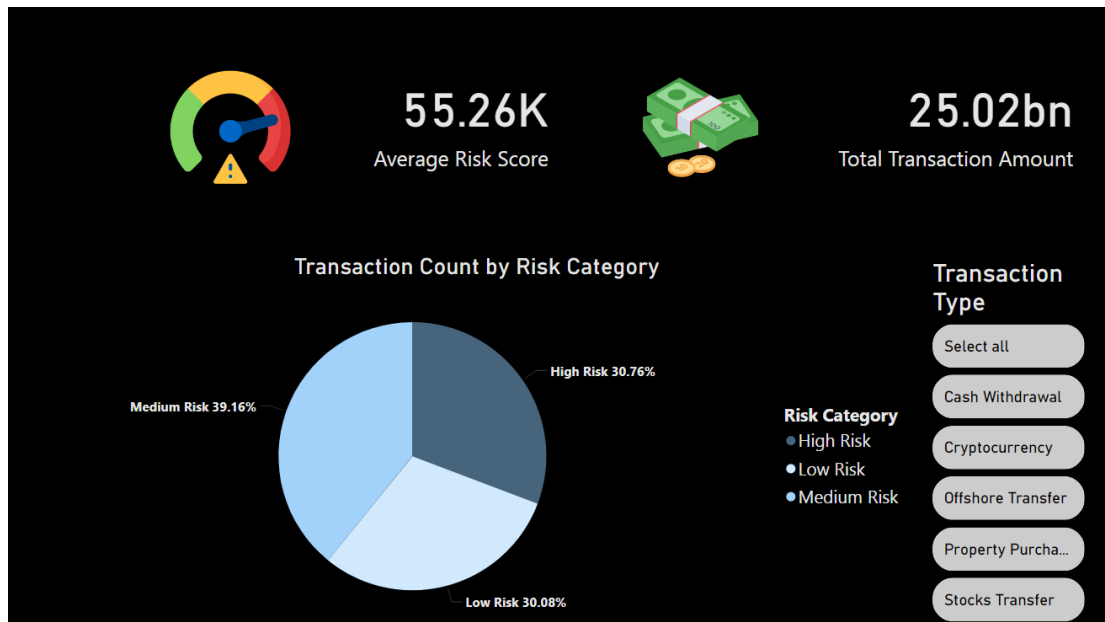
## 2. Tax Haven Transactions: Volume and Insights by Country

- **Description:** Focuses on transactions involving tax haven countries. Highlights the industries and transaction volumes linked to tax havens.
- **Key Features:**
  - A bar and line chart displaying the transaction count and volume for tax havens.
  - Interactive filtering by industries such as Casinos, Finance, and Real Estate.
- **Insights:**
  - Panama leads with the highest transaction volume of \$4.4 billion.
  - Casino-related transactions are a significant contributor in tax haven countries.



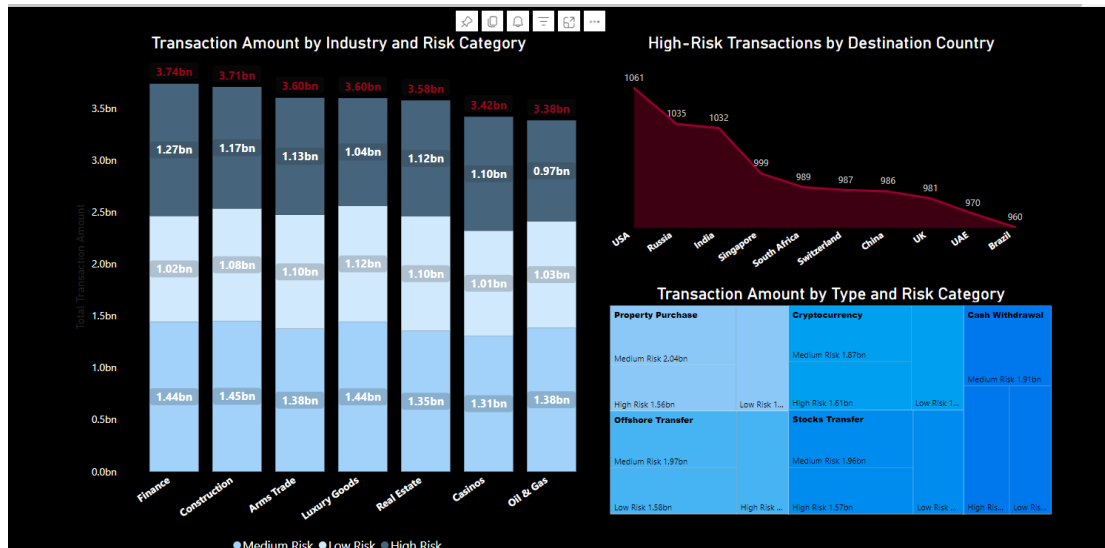
## 3. Transaction Risk Overview: Score, Volume, and Categories

- **Description:** Offers a summary of overall transaction risks, including risk scores, transaction volumes, and risk categories. Explores the distribution of transactions across high, medium, and low-risk categories.
- **Key Features:**
  - KPI cards displaying the average risk score and total transaction amount.
  - Pie chart showcasing the percentage distribution of risk categories.
- **Insights:**
  - High-risk transactions account for 30.76% of the total.
  - The average risk score across all transactions is 55.26K
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#### 4. Risk Analysis of Global Transactions by Industry and Destination Country

- **Description:** Delves into risk categorization by industries and destination countries. Highlights which industries and destinations are most associated with high-risk activities.
- **Key Features:**
  - Stacked bar chart showing transaction volumes by industry and risk category.
  - Treemap to display risk categories within specific transaction types (e.g., Cryptocurrency, Offshore Transfers).
  - Line chart showing high-risk transaction counts by destination country.
- **Insights:**
  - Finance and Construction industries contribute significantly to high-risk transactions.
  - India and Switzerland appear frequently as destinations for high-risk funds.



## Key Tools and Skills Used

- **Power BI:** Developed interactive and visually engaging dashboards. Created custom measures and calculated columns using DAX.
- **Data Cleaning and Transformation:** Filtered and categorized data for meaningful analysis.
- **Advanced Visualizations:** Maps, treemaps, stacked bar charts, and KPI cards.

## How to Use the Dashboard

1. Open the Power BI file (Black Money Project.pbix) using Power BI Desktop.
2. Explore the following pages:
  - Page 1: Worldwide Transactions.
  - Page 2: Tax Haven Insights.
  - Page 3: Risk Overview.
  - Page 4: Industry Risk Analysis.
3. Use slicers to filter data dynamically by country, risk category, transaction type, or industry.