Summary Report: Personality Traits & Asset Value (GBP-Focused)

# 🔍 Objective

The aim of this analysis was to explore how personality traits relate to the total asset value in GBP held by individuals. Data was retrieved from a Supabase database and analyzed using Python.

# 💼 Data Sources

- assets.csv: Contains individual-level asset holdings, their type, value, and currency.

- personality.csv: Contains psychological trait scores per individual including: confidence, risk\_tolerance, composure, impulsivity, and impact\_desire.

# 🧠 Key Finding

Highest asset value (in GBP) individual risk tolerance: 0.56

The individual with the highest GBP asset value (£542.86) shows a moderate risk tolerance score of 0.56 and a confidence score of 0.547.

# 📈 Exploratory Data Analysis Highlights

## 1. Descriptive Stats for GBP Asset Holders

- Mean GBP asset value: £222.25

- Max GBP asset value: £542.86

- Min GBP asset value: £100.52

- Number of GBP holders: 122

## 2. Correlation Matrix (Excluding ID)

- Strong positive correlation between:

• confidence and composure (0.71)

• confidence and risk\_tolerance (0.61)

- Weak or no correlation between asset\_value and any personality trait (max ~0.15)

## 3. Visual Insights

- Confidence vs Asset Value: Slight positive slope; higher confidence does not strongly guarantee more assets.

- Composure vs Asset Value: Somewhat scattered, weak trend.

- Impact Desire vs Asset Value: Appears random, no visible pattern.

- Risk Tolerance vs Asset Value: Weakly positive but not significant.

# 📊 Visualizations Included

- Correlation heatmap of personality traits

- Scatter plots of asset value vs:

• confidence  
 • risk\_tolerance  
 • composure  
 • impact\_desire

# 🛠 Tools Used

- Python (pandas, matplotlib, seaborn)

- Google Colab

- Supabase REST API

- Word (for exporting summary report)

# 📁 Suggested GitHub Repo Structure

confidence-assets-analysis/  
├── assets.csv  
├── personality.csv  
├── eda\_analysis\_script.ipynb  
├── EDA\_Summary\_Report.docx  
├── gbp\_with\_risk\_correlation\_matrix.png  
├── confidence\_vs\_asset\_value.png  
├── risk\_vs\_assets.png  
└── README.md