

1 Insights

1.1 Personality

This is a dataset with scores for different individual differences from 297 participants, including *Confidence*, *Risk Tolerance*, *Composure*, *Impulsivity* and *Impact Desire*. Initial data exploration revealed no duplicates and no missing values. However, boxplots showed that *Confidence*, *Tolerance* and *Composure* had outliers (Figure 1). Eight extreme outliers were removed from the dataset, leaving the final dataset with 289 observations. The mean and standard deviation for each feature variable in the final personality dataset can be found in Table 1. The average scores are similar across all feature variables. However, the variance between these response differ between the features; there is greater variance in *Impulsivity* and *Impact Desire* score than the other features.

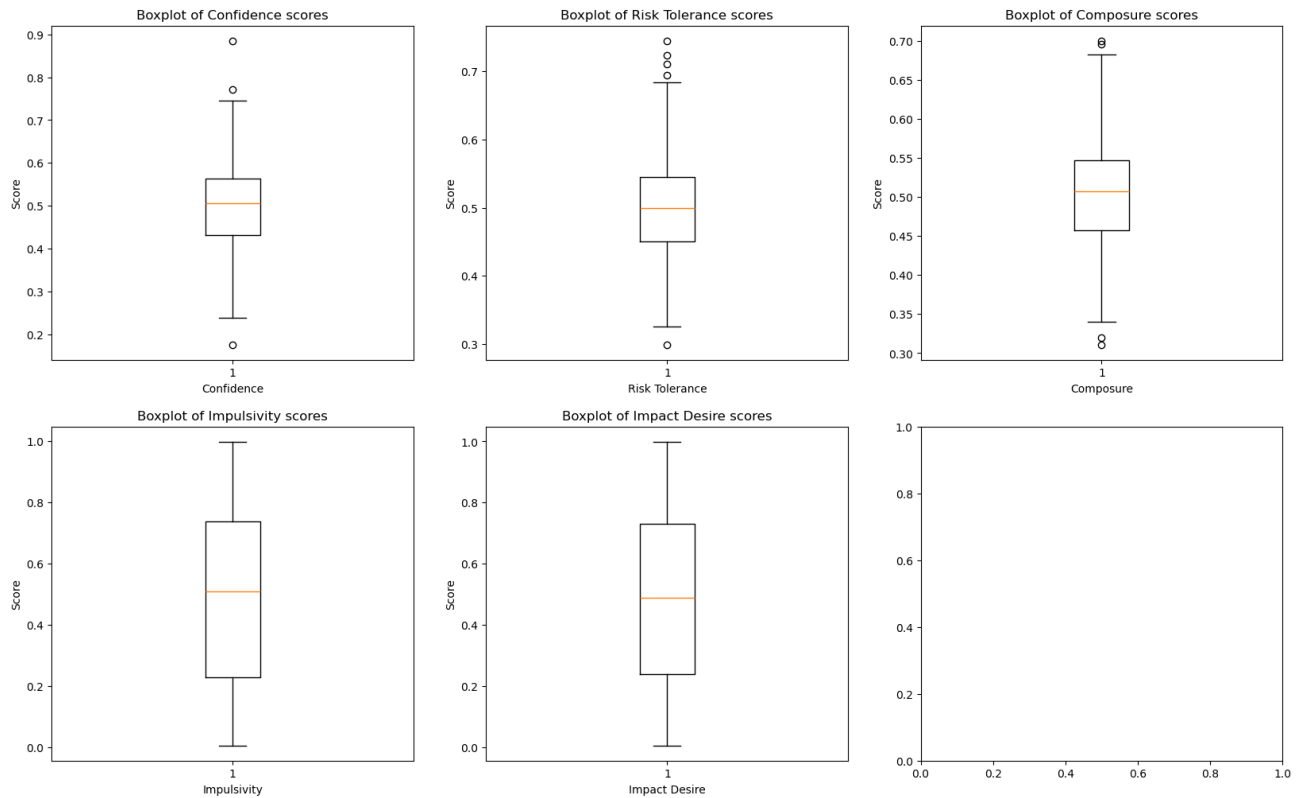


Figure 1: Boxplots for each Personality feature variable

| | Mean | Standard deviation |
|----------------|-------|--------------------|
| Confidence | 0.497 | 0.091 |
| Risk Tolerance | 0.496 | 0.069 |
| Composure | 0.503 | 0.067 |
| Impulsivity | 0.501 | 0.296 |
| Impact Desire | 0.493 | 0.287 |

Table 1: Mean and Standard deviation for Personality feature variables

1.2 Assets

This is a dataset of different asset types, their associated value and currency from 786 participants. Key feature variables including *Asset Allocation*, *Asset Currency* and *Asset Value*. Initial data exploration revealed no duplicates and no missing values. However, boxplots on Asset Value highlight the presence of outliers (Figure 2). 162 extreme outliers were removed from the dataset, leaving the final dataset with 624 observations. The mean for *Asset Value* is 6,498.97 with a standard deviation of 12,972.08. Frequency charts were created for *Asset Type* and *Currency* (Figure 3). Crypto appears to be the clearest largest asset type while the smallest asset type is cash. The most frequent currency used was Australian Dollars, although there was little variation between the currencies.

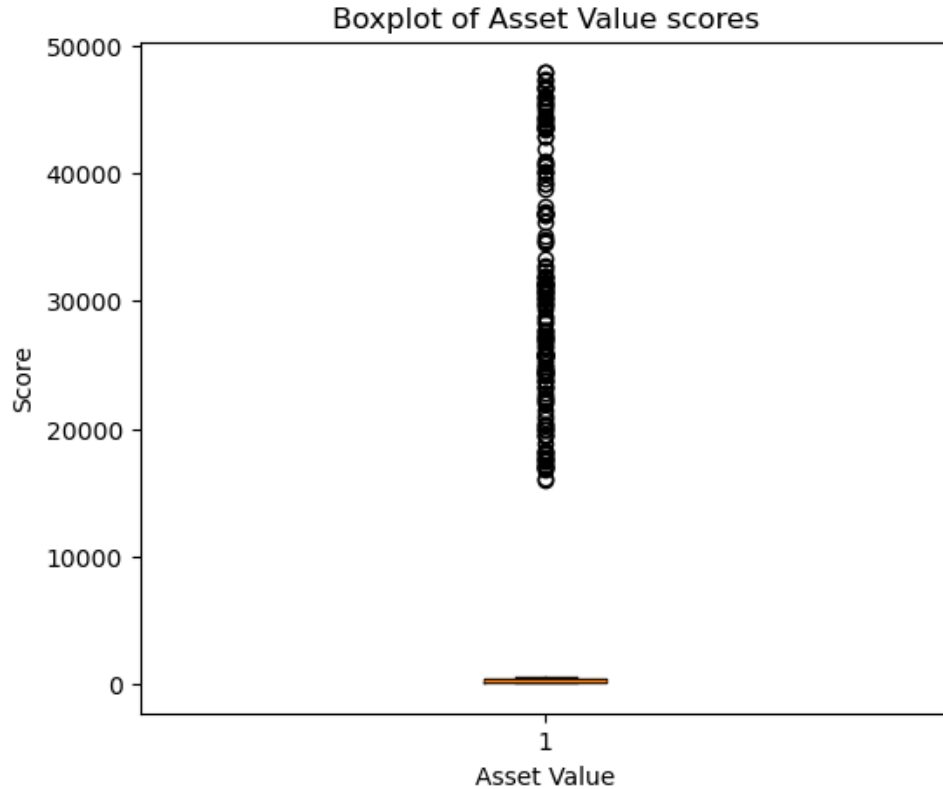


Figure 2: Boxplot for Asset Value

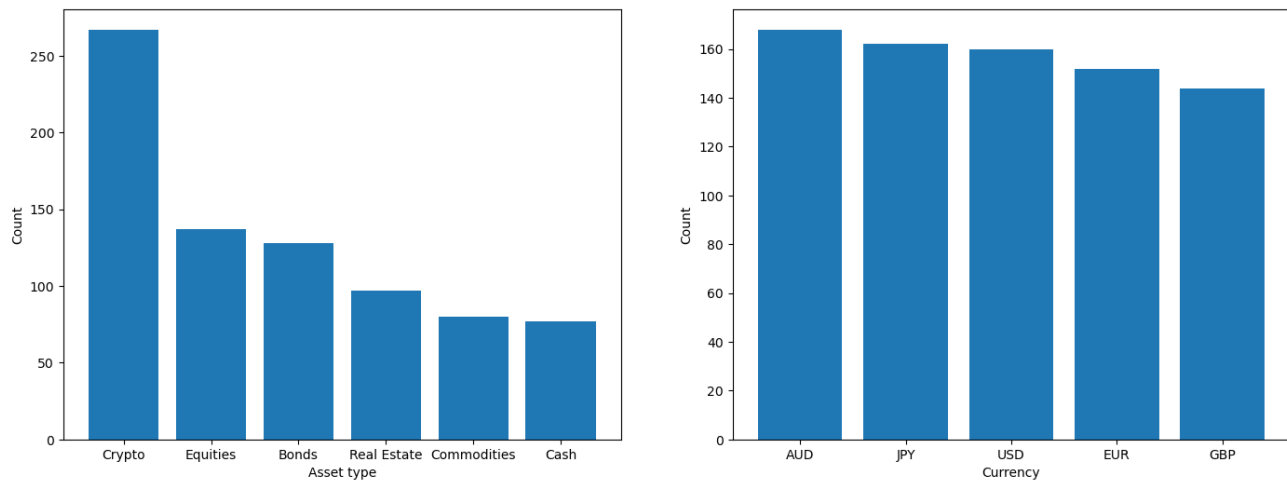


Figure 3: Frequency charts for Asset Type (left) and Currency (right)

1.3 Asset Value and Risk Tolerance

The highest asset value in GBP is 299.99 and the associated ID is 48. The highest asset value (in GBP) holder has an individual risk tolerance of 0.532.