

The background is a complex, abstract geometric pattern composed of numerous triangles of various sizes. The colors are a mix of earthy tones (browns, oranges, yellows) and cooler tones (blues, purples, greys). The triangles are arranged in a way that creates a sense of depth and movement, with some triangles appearing to point towards the center and others pointing outwards.

NYSE Analysis

Udacity BAND Project 2

Research Objectives

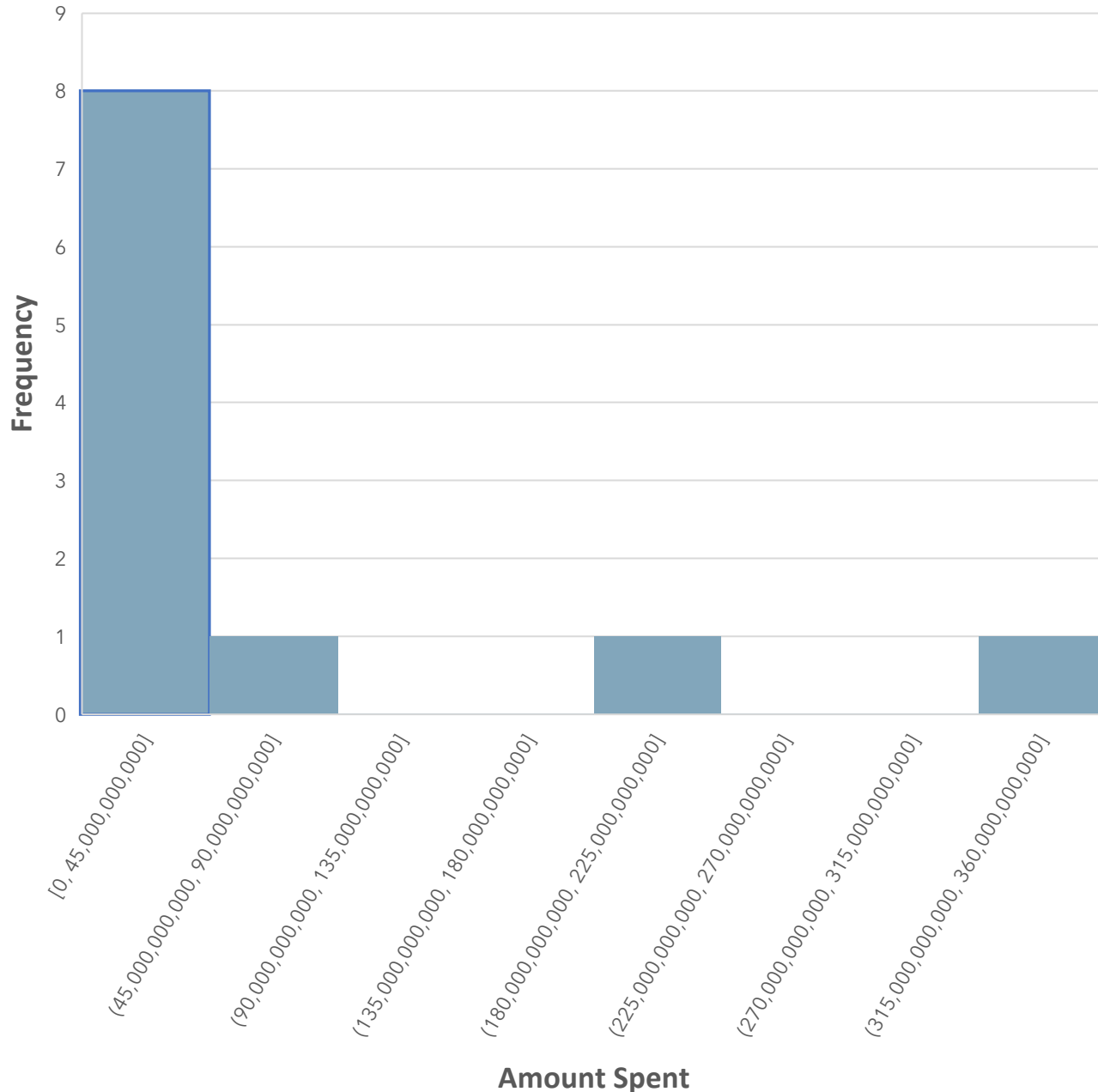
- Which GICS sector spends the most on R&D and what percentage does it take from the total revenue ($R\&D/Total\ Revenue$), and how far is it from the GICS R&D spend average.

Labeled by color: P1-P2-P3

Findings



R&D expenditure distribution

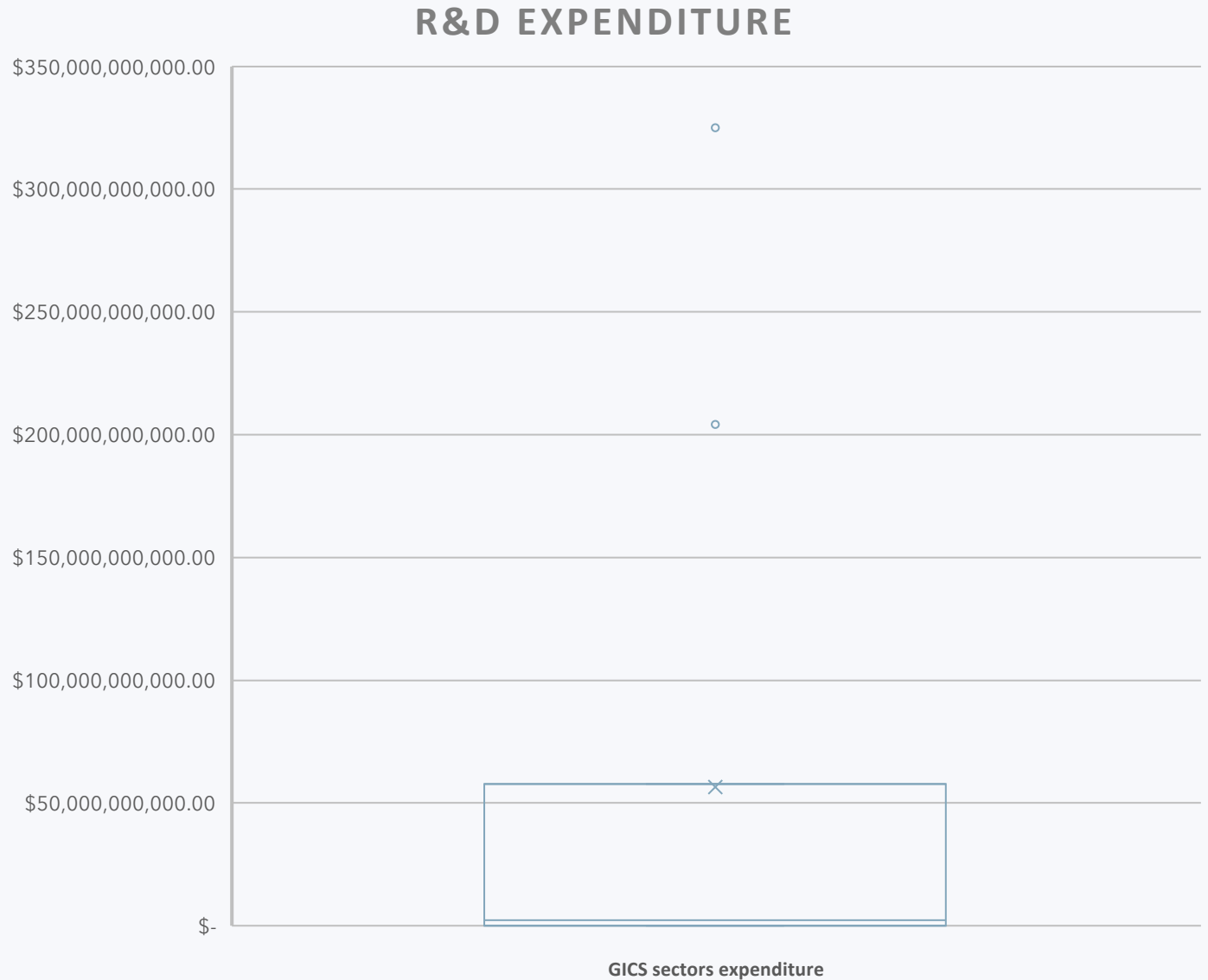


Findings

- This histogram shows the Total R&D expenditure across all GICS sectors, we can see majority of the values lies on the first range (0-45B).
- It is clearly asymmetric distribution skewness= 2.1 (positive skewness).
- The standard deviation shows a high number (107.75B\$), which indicates a high variability in the R&D expenditure across the GICS sectors.

Findings (Cont.)

- This box plot shows that the mean is larger than the median ($\$56,496,562,909 > \$2,387,148,000$). This also means that the majority of the sample spends much less than the higher minority.



More Findings

Question Part	Question	Result	
P1	Highest R&D expenditure Sector	Information Technology	\$ 325,038,637,000
P2	IT expenditure/total revenue	9%	
P3	whole R&D average expenditure	\$ 56,496,562,909	
	How far is it? =IT expenditure/avg	575.3%	the IT expenditures is 575.3% higher than the avg.