



Bank and Telecommunication

→ **Data**

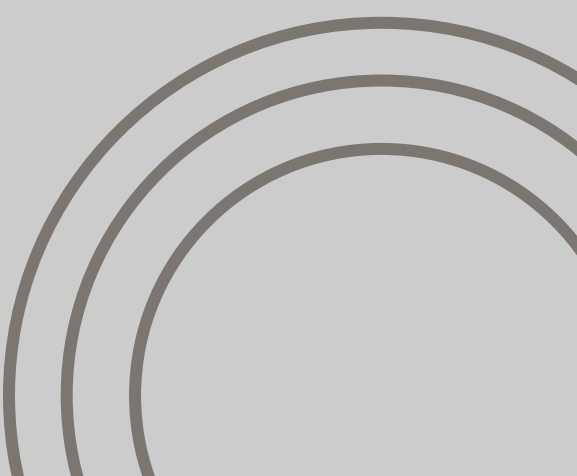



This Data Analysis is for the “introduction to data science” course



Data Description

The dataset provides an overview of customer profiles and their transaction behavior regarding data plans. It includes information on the devices used by bank customers for transactions, the distribution of prepaid and postpaid balances, and payment patterns. Additionally, it categorizes customers by occupation, offering insights into the most and least common customer categories.



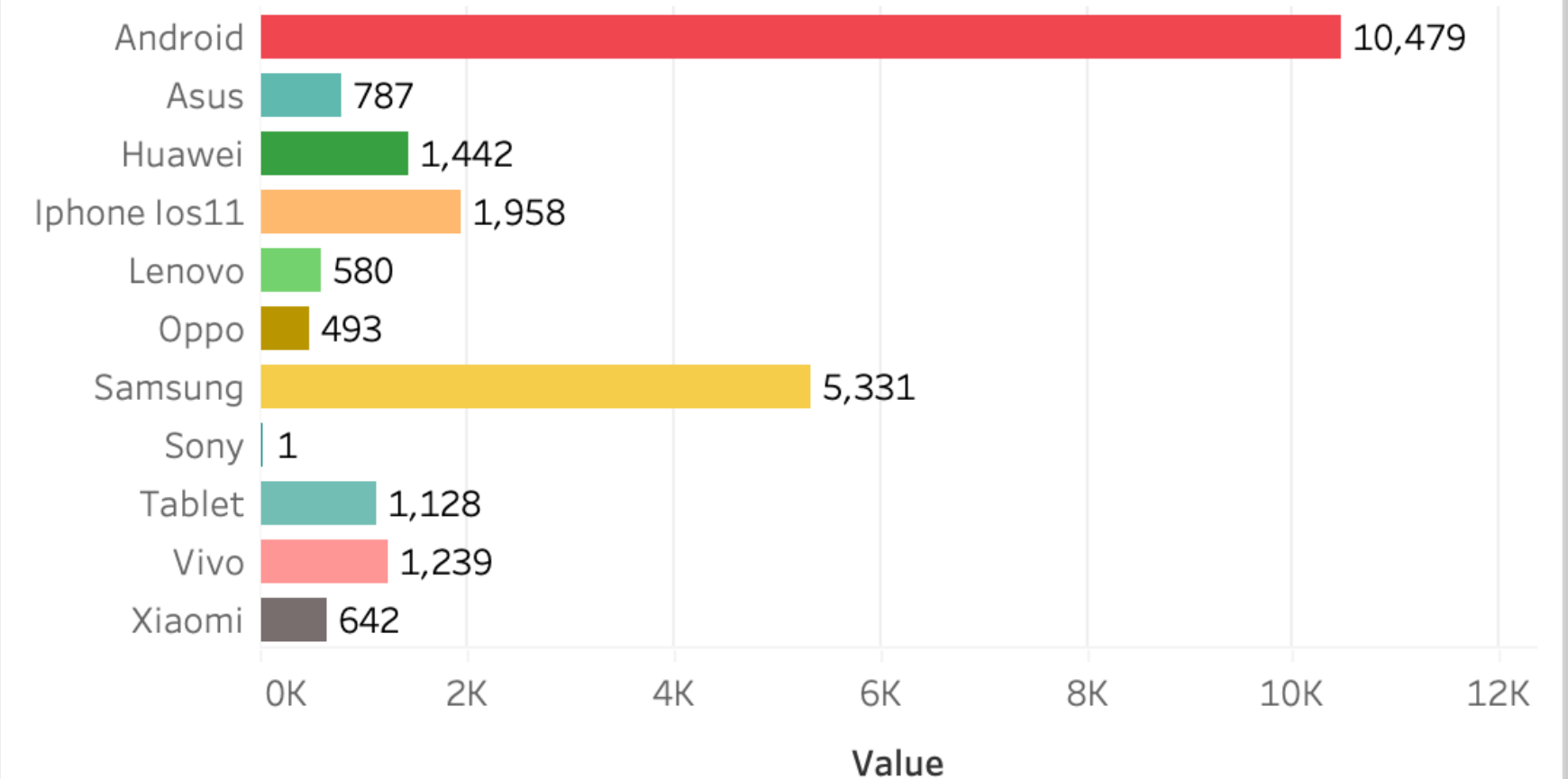
Hypothesis

- What is the average device used by bank customers in transactions?
- Which Telco Id customers have the most prepaid and postpaid balances?
- How do Postpaid payments compare with Prepaid ones?
- What is the distribution of customers based on occupation description?

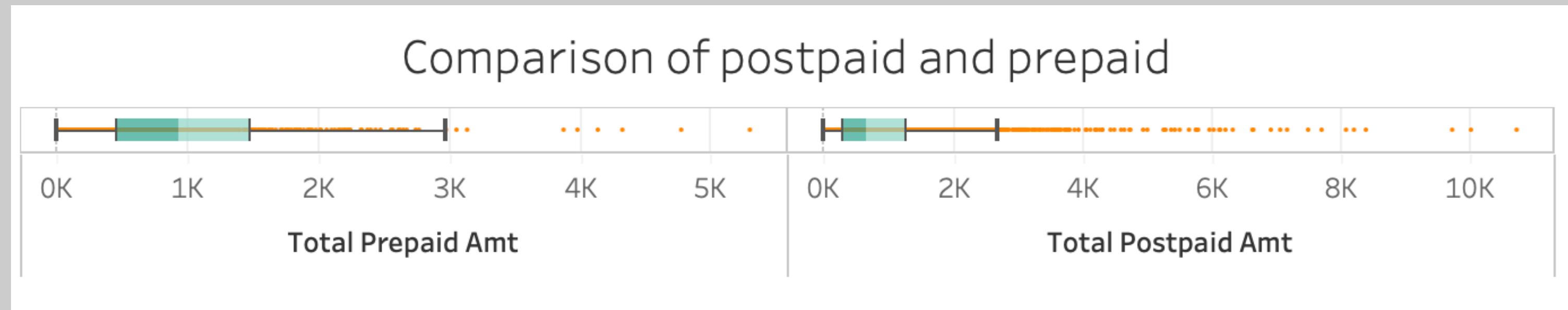
What is the average device used by bank customers in transactions?

- Most customers use Android devices for transactions.
- Insight: 10,479 customers use Android devices, indicating it as the most popular transaction device.

The average device used by bank customers in conducting transactions



How do Postpaid payments compare with Prepaid ones?

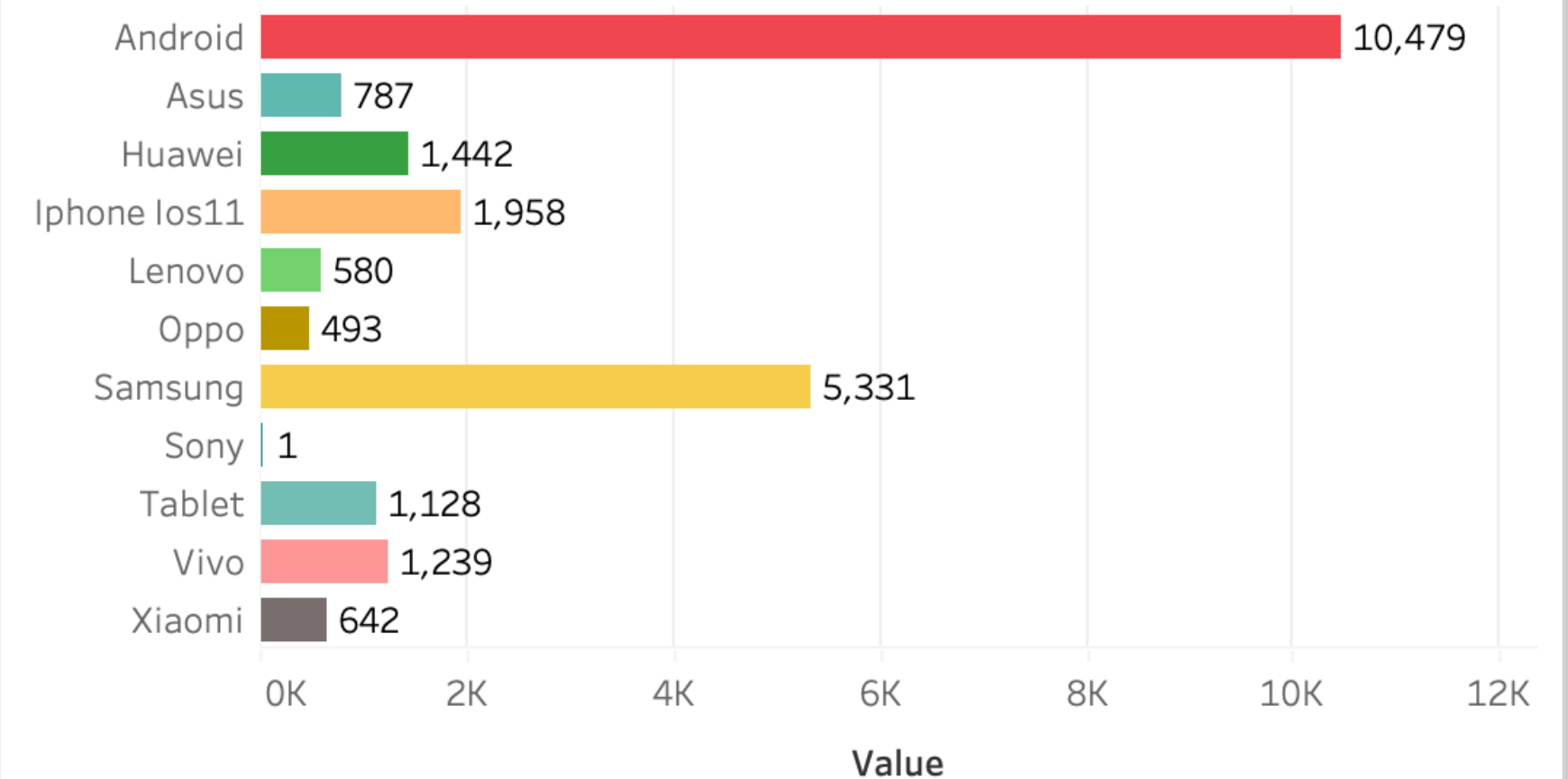


- Analysis of payment amounts using boxplots.
- Insight: Postpaid payments have a broader distribution and higher maximum values compared to prepaid payments.

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What is the distribution of customers based on occupation description?

- Visualization of customer distribution based on occupation.
- Insight: The most common occupation category is 'non-executive' with 3,101 customers, while 'retired' is the least common with 5 customers.

