

MOBILE EDGE

Market Overview



1. Top Brands by Model Count

"This horizontal bar chart shows which brands have the most smartphone models."
Xiaomi and Samsung lead with the highest number of models. This gives customers more choices across all price ranges, from budget-friendly phones to premium devices.

2. Top 10 Brands by Average Price

"A bar chart showing the 10 most expensive brands on average."
Apple and Huawei have the highest average prices across all models. This indicates they mainly focus on the premium market with high-performance and luxury smartphones.

4. Processor Brand vs Average Price

"This chart compares processor brands with the average price of phones using them."
Phones with Bionic and Kirin processors have the highest average prices. These processors are mostly found in premium smartphones with strong performance.

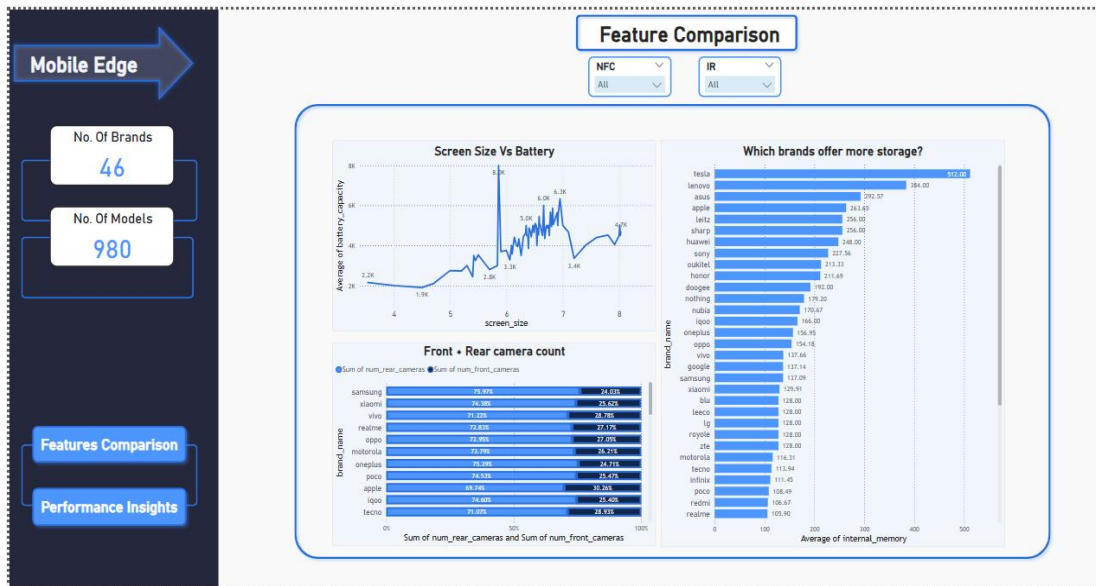
5. Operating System Distribution

"A donut chart showing the share of each operating system used in the dataset."
Android dominates the market with around 93% of all models. Only a small portion uses iOS, mainly Apple devices.

6. Memory vs Average Price

"A line chart showing how internal storage affects phone pricing."
Prices increase gradually as memory increases, but jump sharply from 500 GB to 1 TB, indicating a premium price tag for high-storage models.

Features Comparison



1. Screen Size vs Battery Capacity

"A line chart visualizing how battery capacity changes with screen size."

The general trend shows that larger screens are usually paired with higher battery capacity to support extended usage.

2. Which Brands Offer More Storage?

"A bar chart ranking brands by their average internal memory."

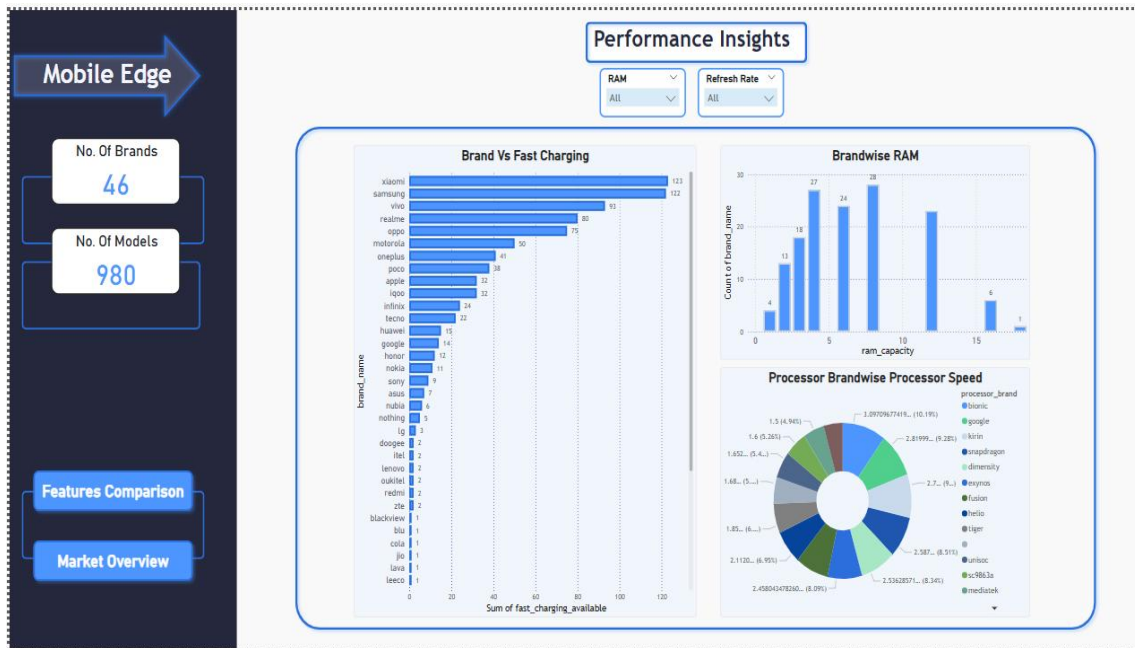
Tesla, Lenovo, and Asus offer the highest storage options, going up to 512 GB, which is ideal for users who store large files, videos, and apps.

3. Front + Rear Camera Count by Brand

"A grouped bar chart showing the total number of cameras (front + rear) per brand."

For example, Samsung has ~76% rear cameras, indicating a stronger focus on rear camera performance and multi-lens setups for enhanced photography.

Performance Insights



1. Brand vs Fast Charging Support

"A bar chart showing how many smartphone models per brand support fast charging."

Xiaomi and Samsung lead in offering more fast-charging-enabled phones, improving user convenience.

2. Brand-wise RAM Capacity

"A bar chart showing how many brands offer various RAM capacities."

4, 6 GB and 8 GB RAM are the most common across multiple brands, balancing performance and cost.

3. Processor Speed Distribution by Brand

"A pie chart displaying the processor speed distribution across different processor brands."

This helps identify which brands dominate the high-performance segment based on average speed.