**2. What screen sizes are currently available, and which are the most frequent?**

* **Data needed:**
  + screen\_size (or rounded screensize\_inch)
  + Count of Model\_No
* **Chart type:**
  + Histogram / Bar chart
* **Sketch of chart:**
  + X-axis: Screen size categories (22, 32, 40, 50, 55, 65, 75, etc.)
  + Y-axis: Count of models
  + Bars sorted by increasing size
* **Data table sketch:**

A graph of a bar graph

AI-generated content may be incorrect.

**3. Which brands have the greatest number of different models?**

* **Data needed:**
  + Brand
  + Count of distinct Model\_No
* **Chart type:**
  + Bar chart
* **Sketch of chart:**
  + Y-axis: Brand names (Samsung, LG, Sony, Hisense, etc.)
  + X-axis: Number of models
  + Horizontal bars sorted descending
* **Data table sketch:**

A close-up of a graph

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A diagram of a group of people

AI-generated content may be incorrect.

A graph of numbers and colored lines

AI-generated content may be incorrect.

**4. Which type of screen technology consumes the least amount of power?**

* **Data needed:**
  + Screen\_Tech
  + Average Avg\_mode\_power
* **Chart type:**
  + Box plot / Bar chart.
* **Sketch of chart:**
  + X-axis: Screen technologies
  + Y-axis: Avg power consumption (watts)
  + Bars showing mean power
* **Data table sketch:**

A diagram of a bar chart

AI-generated content may be incorrect.

A white line with black lines

AI-generated content may be incorrect.

A graph with different colored rectangles

AI-generated content may be incorrect.A diagram of a diagram

AI-generated content may be incorrect.

**5. What is the relationship between screen size and power use?**

* **Data needed:**
  + screensize\_inch (numeric)
  + Avg\_mode\_power
* **Chart type:**
  + Scatter plot
* **Sketch of chart:**
  + X-axis: Screen size in inches
  + Y-axis: Power use (kWh)
  + Points scattered, upward trend visible
* **Data table sketch:**

A graph and a diagram

AI-generated content may be incorrect.

A close-up of a screen

AI-generated content may be incorrect.

**A screenshot of a computer

AI-generated content may be incorrect.**

**A graph showing a number of blue and white lines

AI-generated content may be incorrect.**

**6. What is the relationship between star rating and screen size?**

* **Data needed:**
  + Star (or Star Rating Index)
  + screensize\_inch (or category)
* **Chart type:**
  + **Box plot** → shows distribution of screen sizes for each star rating.
* **Sketch of chart:**
  + X-axis: Star rating (1★ to 6★)
  + Y-axis: Screen size (inches)
  + Boxes or bars per star rating
* **Data table sketch:**

A close-up of several graphs

AI-generated content may be incorrect.

**7. Are there differences in power consumption between brands?**

* **Data needed:**
  + Brand
  + Average Avg\_mode\_power
* **Chart type:**
  + **Bar chart (mean)** → compare average power by brand.
  + **Box plot** if you want to show variation.
* **Sketch of chart:**
  + X-axis: Brand
  + Y-axis: Power consumption (watts)
  + Bars or boxes

A white board with writing on it

AI-generated content may be incorrect.