**Week 2 Exercise 2: Data Exploration**

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|  | What data is needed to answer this question? | What chart type would be good to represent this data and give some reasons? |
| 1. What type of TV screen technologies are currently available in Australia and which are the most frequent? | Column screen\_tech and Count aggregate of any column | Bar chart |
| 2. What screen sizes are currently available, and which are the most frequent? | Screensize and count of itself | Treemap/ scatter plot |
| 3. Which brands have the greatest number of different models? | Brand\_reg and count of Model\_No | Bar chart |
| 4. Which type of screen technology consumes the least amount of power? | Screen\_Tech and Aggregation Minimum of Avg\_mode\_power | Bar chart |
| 5. What is the relationship between screen size and power use? | Screensize and Avg\_mode\_power | Scatter plot |
| 6. What is the relationship between star rating and screen size? | Star Rating Index and Screensize | Scatter plot |
| [optional] Are there differences in power consumption between brands? | Brand\_Reg and Avg\_mode\_power | Line plot |