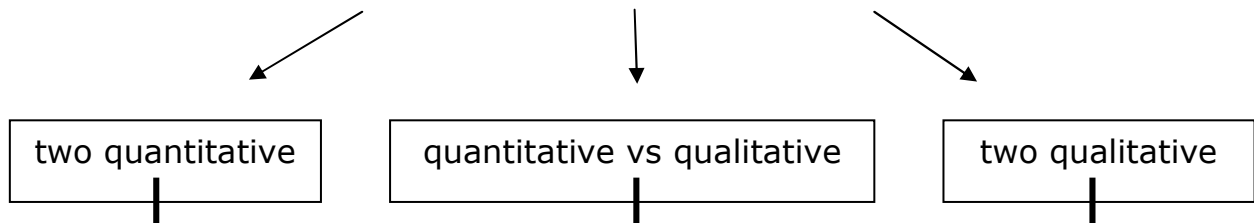


How do I interpret my data plot/display?

Use this useful one-page resource to make sure you say all you need to about your data.

→ *relevant for Assignments 1 and 3*

Exploring Relationships between Two Variables



Exploratory tools to use to explore relationship/s

↓	↓	↓
Scatter plot	Side-by-side plots on the same scale	Two-way table of counts or Bar graphs of proportions
Features to look for:		
<ul style="list-style-type: none"> ▪ Trend ▪ Scatter ▪ Strength of relationship ▪ Association ▪ Outliers ▪ Groupings 	<ul style="list-style-type: none"> ▪ Any group differences: <ul style="list-style-type: none"> ○ averages/centres ○ variability/spread ○ shapes <ul style="list-style-type: none"> • symmetric/skewed • modes ▪ Details of individual groups: <ul style="list-style-type: none"> ▪ outliers, gaps, clusters, groupings <p>Think about reasons <i>why</i> these differences, similarities and features are seen</p>	<ul style="list-style-type: none"> ▪ Most common and least common combinations ▪ Differences in distributions (e.g. row or column bar graphs)