

Chapter 1.8 – Know The Right Chart Type

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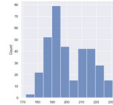
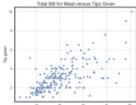
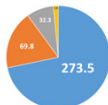


1

Know The Right Chart Type

Which Should I Use?

- While it is possible to visualise the data using several different chart types, it is important to choose the type that can best communicate the story **clearly** and **accurate** by separating the background noise from the **intended message**^[1].
- There are four basic chart types:
 - **Comparison chart** - e.g. a line chart displaying the profits of 3 departments over 7 years.
 - **Composition chart** - e.g. a pie chart displaying the market share of telcos in Singapore.
 - **Relationship chart** - e.g. a scatter plot of the relationship between tips given and cost of meal.
 - **Distribution chart** - e.g. a column histogram displaying the distribution of exam grades.



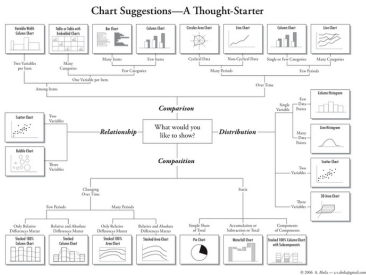
[1] Jānis Gulbis, Data Visualization – How to Pick the Right Chart Type? (2016) - <https://eazybi.com/blog/data-visualization-and-chart-types/>

2

Selecting The Chart

Which Should I Use?

- A suitable chart can be determined by answering several questions^[1].
- How many variables do you want to show in a single chart? (1, 2, 3 or many?)
- How many items (data points) will you display for each variable? (only a few or many?)
- Will you display values over a period of time, or among items or groups?
- The chart selection diagram by Andrew Abela can then be used to pick the right chart for the data type being visualise.



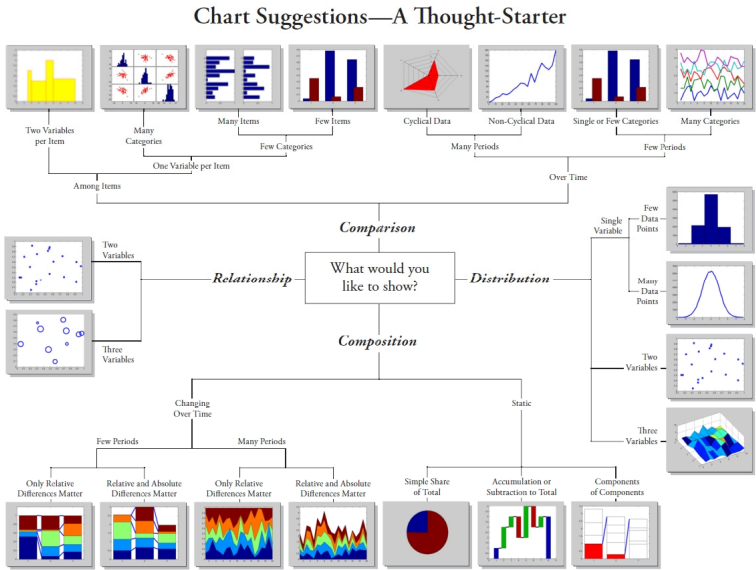
[1] Jānis Gulbis, Data Visualization – How to Pick the Right Chart Type? (2016) - <https://eazybi.com/blog/data-visualization-and-chart-types/>

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Selecting The Chart

Which Should I Use?

- Andrew Abela's Chart Chooser in Colour^[2].



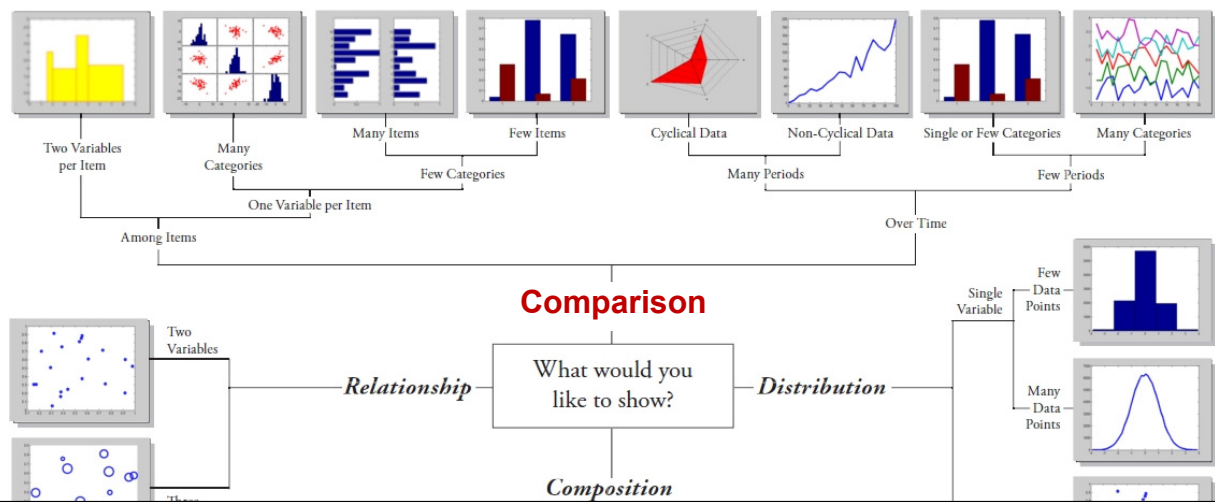
[2] Andrew Abela's Chart Chooser - <https://apandre.files.wordpress.com/2011/02/chartchooserincolor.jpg>

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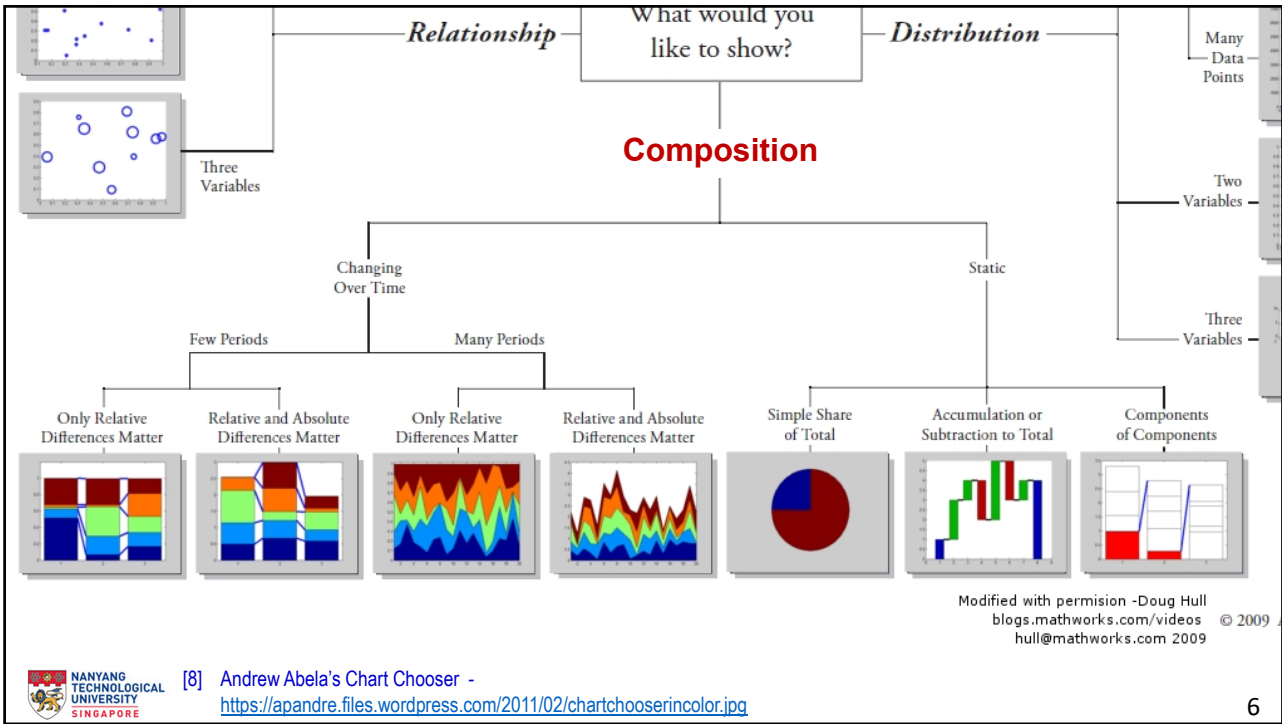
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Selecting The Chart

Chart Suggestions—A Thought-Starter



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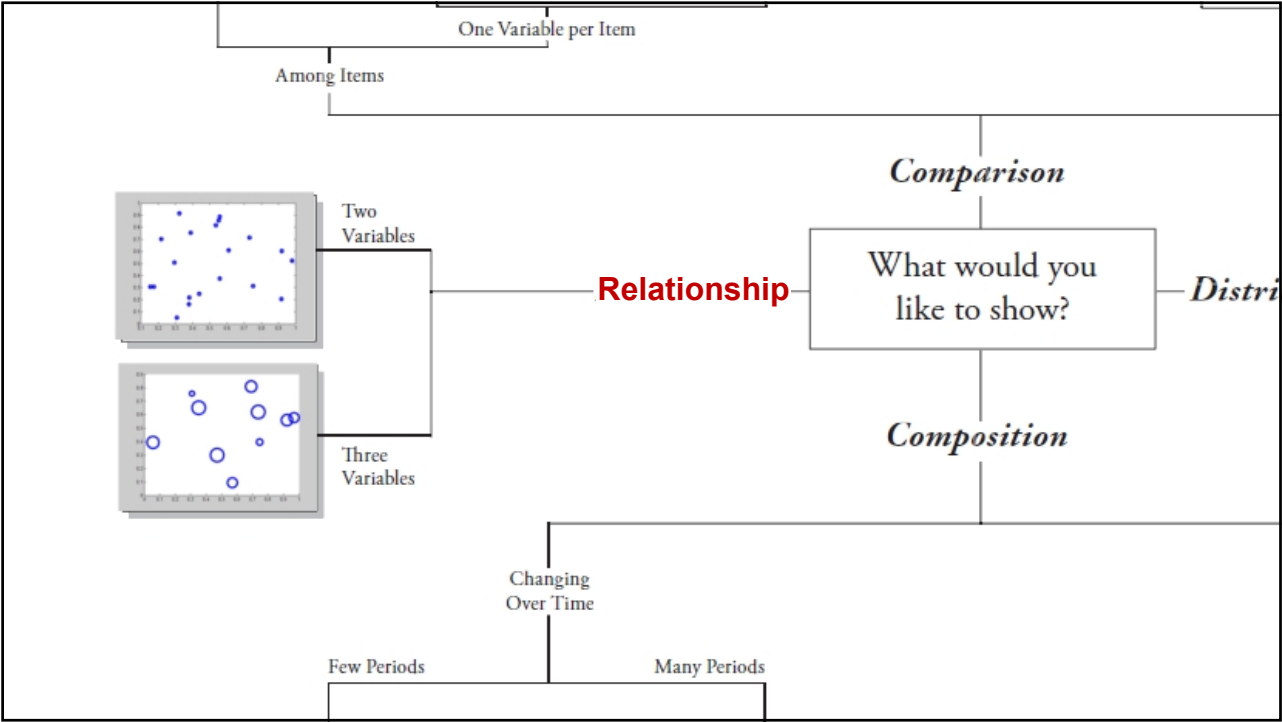


[8] Andrew Abela's Chart Chooser - <https://apandre.files.wordpress.com/2011/02/chartchooserincolor.jpg>

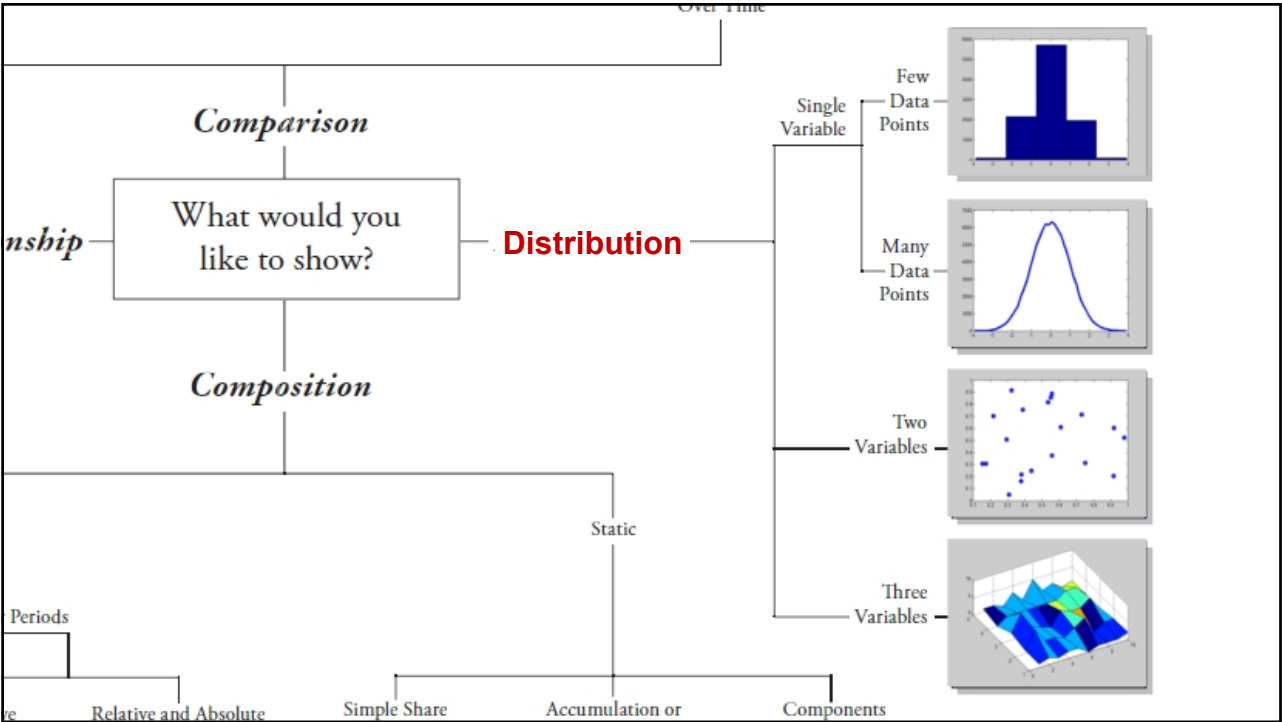
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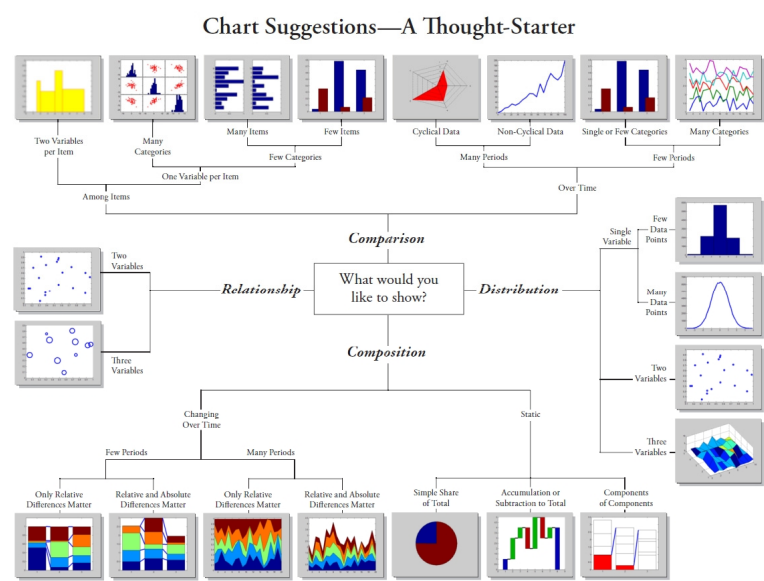


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Selecting The Chart

Which Should I Use?

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