

---

# INFS 5116 – DATA VISUALISATION

---

## Workshop Week 1

### PART 1 – Introduction (mini lecture)

- Course structure, teaching and learning arrangements and assessment, introduction to visualisation.
- Kahoot quiz to review key concepts

### PART 2 - Workshop questions for discussion

#### Exercise 1 – Data Visualisation

What does it mean to you?

#### Exercise 2 – Elegant design?

Consider the visualisation shown in Figure 1 below, then answer the following questions:

1. What one word describes how you instinctively feel about the work within the first 5/10 seconds? Is it positive or negative?
2. Do you like the visualisation (might be the subject or visual form)? What score on a scale of 0 to 10 would you give it (10 is best)? Consider what factors influenced your rating.
3. Do you feel the visualisation successfully – and sufficiently – facilitates understanding? Does it help you learn something about the subject matter or, at least, confirm/reinforce what you already knew? What score on a scale of 0 to 10 would you give it (10 is best)? Consider what factors influenced your rating.
4. Overall, where does the visualisation succeed and where does it fail?

#### Exercise 3 – Understand the context

Choose a data set you care about or know well (e.g. from other courses). Clearly identify your source. Pick a statement or a question in relation to the context of your data and think about ways in which you might try to visualise that statement or question for the users.

1. What data types do you have? What type of graphic might you use? You can refer to [The Data Visualisation Catalogue](#) for inspiration (follow the link under [Online Resources](#)).
2. Who is your audience? What do they care about? List three things you could do to understand your audience.
3. Consider a particular question that can be addressed using your data, and what the potential findings and recommendations might be. How many different audiences can you come up with who might be interested in your findings?

The following [reading](#) might be useful.

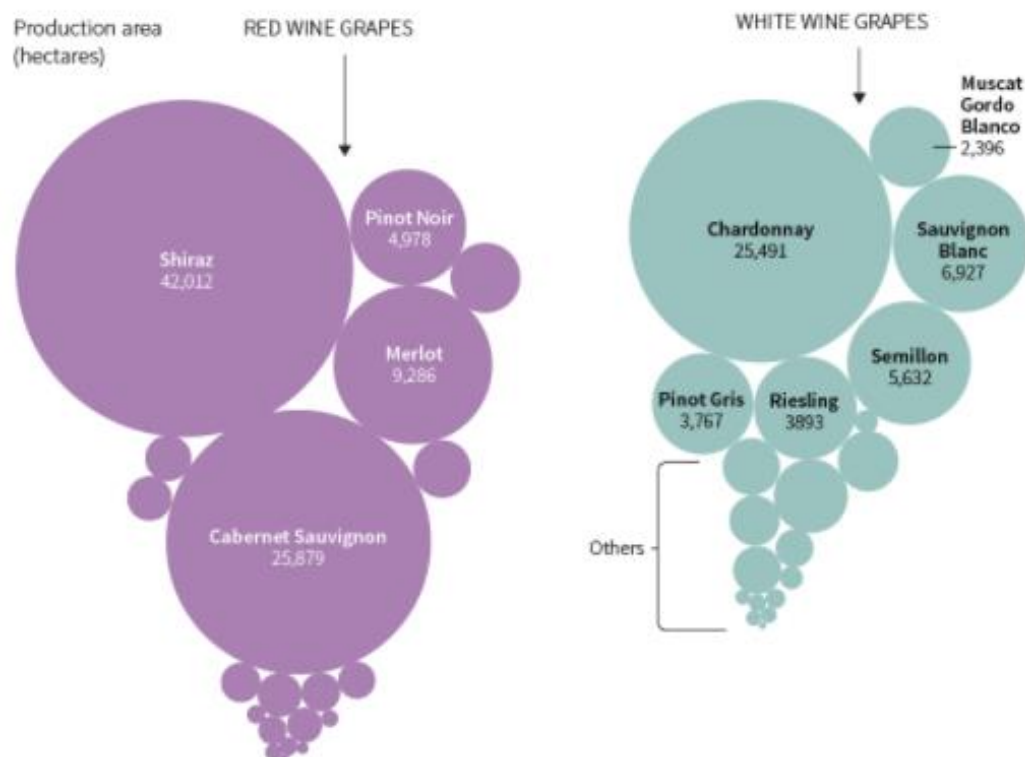
### Further reading (optional):

The Guardian, [‘Why you should never trust a data visualisation’](#)

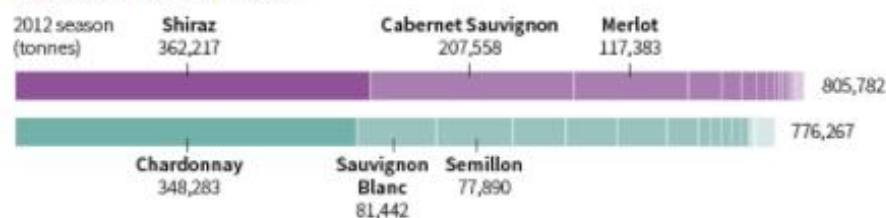
## The wine industry

Shiraz is the number one grape variety in Australia, covering 42,000 hectares of vineyard. Along with Chardonnay, the two varieties make up 45% of the total grape production.

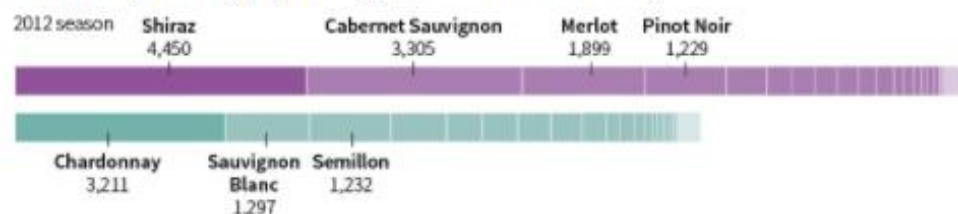
### Top grape varieties grown



### Production for wine-making



### Businesses producing grapes - may produce more than one variety\*\*



\* Projections shown are 50th percentile estimates with medium emissions. \*\* 6,251 businesses. A minimum size cut-off of \$5,000 was applied to determine whether a business was included in the dataset, as well as being identified on the Australian Bureau of Statistics' Business Register as a wine grape grower/vineyard. Businesses may produce more than one variety of grape so could be represented twice in the chart.

Sources: Australian Bureau of Statistics, 2012 Vineyards collection; Wine Australia.  
Graphic by S. Scarr, C. Chen, F. Foo - Updated: 30 June 2014

Figure 1. 'Grape expectations' by Reuters Graphics <http://graphics.thomsonreuters.com/14/wine/index.html>