Chapter 4 Module Quiz

Due 7 Jun at 23:59 **Points** 10 **Questions** 10 **Available** until 12 Jun at 23:59 **Time limit** None

Instructions

This is a graded quiz worth 1% of your course grade. The quiz covers the key learning objectives of Chapter 4.

Attempt history

	Attempt	Time	Score
LATEST	Attempt 1	3 minutes	10 out of 10

Score for this quiz: **10** out of 10
Submitted 31 May at 3:05
This attempt took 3 minutes.

Question 1

1 / 1 pts

How are pie and doughnut charts different?

- Doughnut charts are better for showing lots of categories.
- Pie charts use colour, while doughnut charts use value labels.
- Correct! Doughnut charts have a hole in the middle.
- Doughnut charts are based on area, while pie charts are based on angle.

Question 2

1 / 1 pts

Which one of the following is the main visual variable used to interpret the proportions depicted in pie charts?

- Angle
- Colour
- Position
- Correct! Area

Question 3

1 / 1 pts

There are many issues with pie and doughnut charts. Which one of the following is NOT a recognised issue.

Correct!

- (●) Pie and doughnut charts fail to draw peoples' attention.
- ( ) Small proportions are hard to see and label in pie and doughnut charts.
- ( ) Pie and doughnut charts are inaccurate when proportions are similar.
- ( ) Pie and doughnut charts are limited in the number of categories they can effectively convey.

Question 4

1 / 1 pts

Which deceptive method does the following data visualisation demonstrate?

Source: CNBC (https://www.cnbc.com/2019/06/12/tesla-looks-like-netflix-did-in-2011and-it-may-see-a-similar-recovery.html)

- Truncated axis

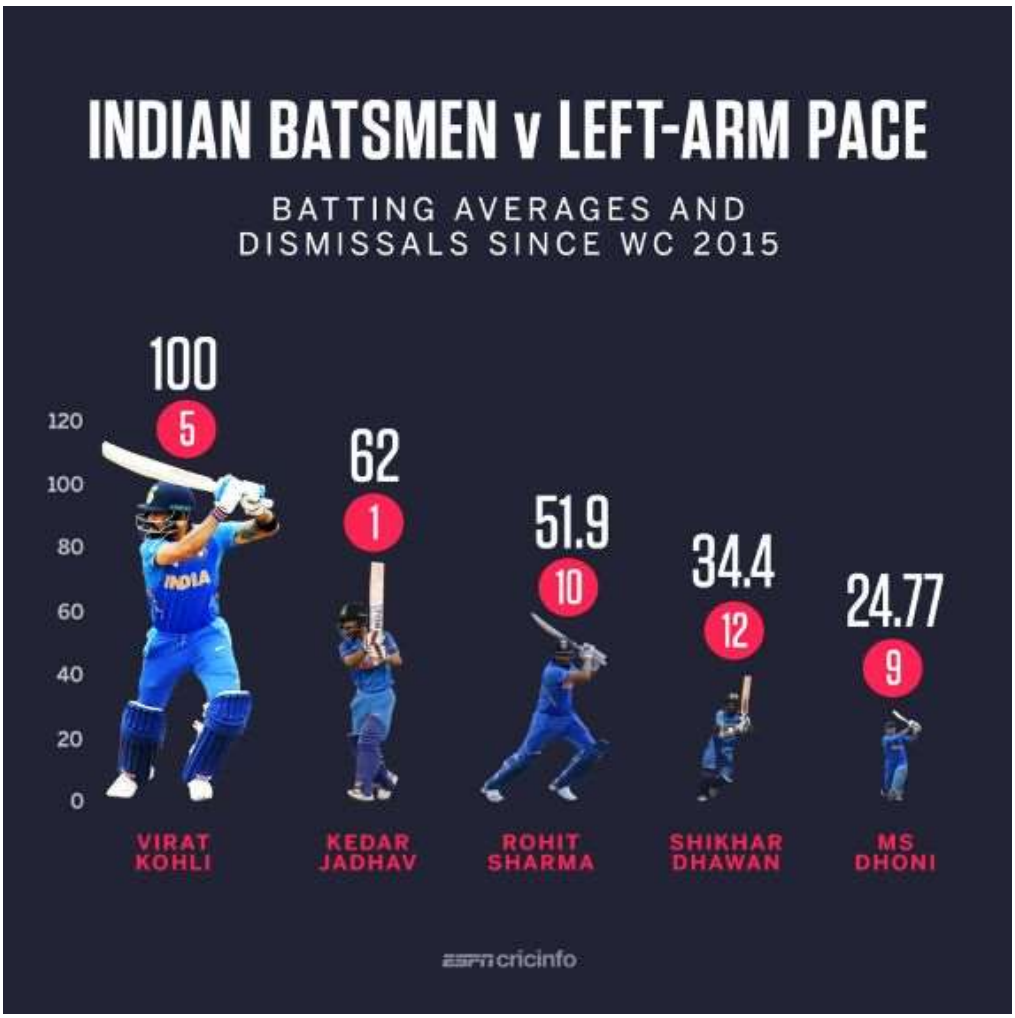
Correct!

- Dual axes
- Changing the plot aspect ratio
- Visual bombardment

Question 5

1 / 1 pts

Which deceptive method does the following data visualisation demonstrate?



Source: ESPNCricInfo (https://www.espncricinfo.com/story/_/id/26927142/how-india-beat-australia)

- Truncated axis
- Changing the plot aspect ratio

- Use of pies and doughnut charts
- Area and size as quantity

Correct!

Question 6

1 / 1 pts

For a time series plot, if you increase the width of the plot relative to the height, changes across time will appear...

- more pronounced.
- less pronounced.
- the same.
- Impossible to tell.

Correct!

Question 7

1 / 1 pts

Which one of the following practices go against data visualisation convention?

- Putting the y-axis scale's label on the left of the plot.
- Adding gridlines to help read values from the x and y axis.
- Putting a time variable on the y-axis
- Using colour to represent a quantiative variable.

Correct!

Question 8

1 / 1 pts

Which one of the following methods will help reduce the chances of visually bombarding your audience?

- Visualise as many variables as possible.

Correct!

- (●) Use multiple plots to visualise different elements of your story.
- ( ) Use lots of different colours for different purposes.
- ( ) Plot all your groups in a categorical variable, regardless of how many there are.

Question 9

1 / 1 pts

Which one of the following statements best explains when to start a data visualisation scale at 0.

- ( ) Only bar charts need to start at 0 on the y-axis.
- ( ) All plots should plot 0 on the scale for numeric variables.

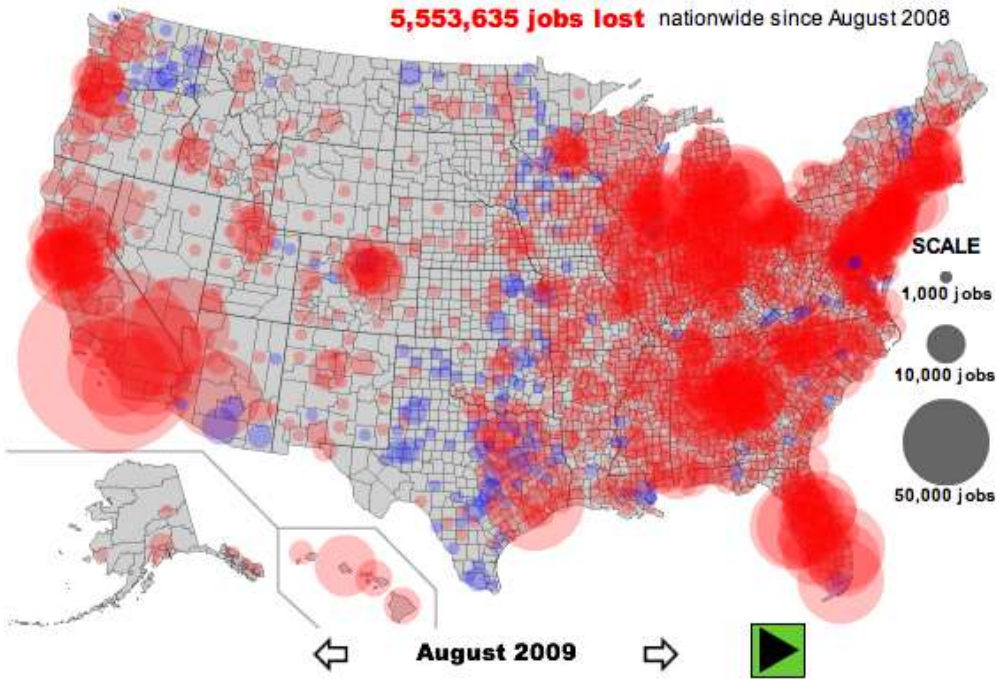
Correct!

- (●) When the data visualisation is focusing on relative comparisons across time or between groups on count, proportions and percentages.
- ( ) Only time series plots do NOT need to start their axis scale at 0.

Question 10

1 / 1 pts

Which deceptive method does the following data visualisation demonstrate?



Source: Masterofmedia (https://mastersofmedia.hum.uva.nl/blog/2011/04/21/whats-that-on-the-map-problems-with-geo-visualization/)

- Truncated axis
- Dual axes
- Aspect ratio
- Overplotting

Correct!

Quiz score: **10** out of 10