Year 11 maths lesson delivered online by Rural and Remote Curriculum Provisions Coordinator

Best practice example of an online lesson plan

Box-Plots

The Driving Question

Has Rugby League lost its way and become too predictable to watch?

Learning Intention

I can construct and compare parallel box-plots.

Success Criteria

- I can complete a five-number summary.
- I can make comparisons on median, range, IQR and outliers using parallel box-plots

Warm Ups

Get your Brain up and running with this Kahoot on Mean, Median, Mode and Range
This is just a review of prior content.
Run it in the mode that allows students to start at different times.

Developing knowledge and understanding of the various planning and implementation features

Lesson Introduction

Learn more about questioning techniques

Learn more about Learning Intentions and Success Criteria

Learn about the benefits of Warm Up activities

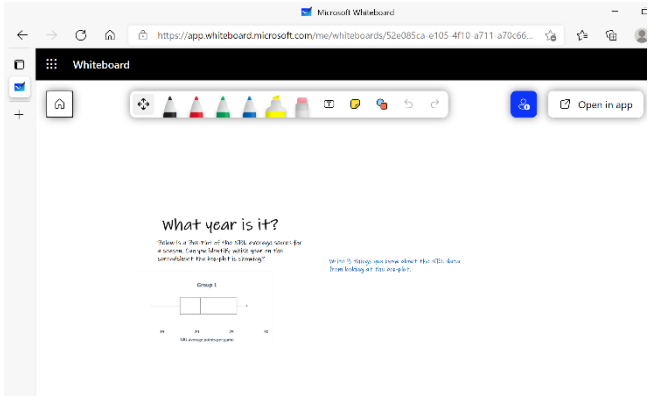
Demonstration

Using Example 1 from the student booklet in the unit of work folder, demonstrate how to construct a box-plot.

Activity

Excel Spreadsheet – *students save a copy of the spreadsheet*
This has 4 separate years of NRL data – Average points per game.
Students will compare a box-plot with these 4 data sets and decide which year's data their box-plot matches.
Whiteboards need to be set up with one box plot each (a different one on each board)

Group 1- Box-Plot Whiteboard
Group 2- Box-Plot Whiteboard
Group 3- Box-Plot Whiteboard
Group 4- Box-Plot Whiteboard



Parallel box-plots

Use the teacher spreadsheet. The last sheet shows the parallel box-plot for the 4 years' data.

Work through Example 2 from the student booklet.

Exit Slip

Test your knowledge with these questions - Quiz using MS Forms – auto marking – a pdf version is in the Summary Statistics folder.

Body of lesson

Learn more about explicit instructions

Learn more about consolidating student learning

Conclusion

Learn more about formative assessment