

# Medal Count



VICTORIAN BIOSCIENCE  
EDUCATION CENTRE

## Teacher Notes

### Curriculum Links

#### Mathematics Level 7

- Identify and investigate issues involving numerical data collected from primary and secondary sources ([VCMSP268](#)).
- Investigate, interpret and analyse graphs from real life data, including consideration of domain and range ([VCMNA257](#))

## Learning Intention and Success Criteria

### Learning Intention

To be able to use a big data to analyse and explore patterns and trends.

### Success Criteria

- ✓ Use the excel spreadsheet to identify the number of gold, silver and bronze medals won at each Olympic Games.
- ✓ Find the difference between the number of male and female medallist.
- ✓ Graph the results using Microsoft Excel.
- ✓ Summarise the trend in data found.

## Equipment Required

Students will require:

- The worksheet that students complete is a word document that has been designed using the developer function. This means that students can save the document to their device and are able to modify certain sections to record their answers. It is highly recommended that you attempt the task yourself before distributing to familiarise yourself with the activity.
- To begin students will need to open the document, press 'View' on the top heading bar, then 'Edit Document'. They are then encouraged to save it to their desktop (including their name) before they begin the task.
- Calculator

## Career Pathways

Big data, or large data sets, are analysed to explore patterns, trends and identify associations. Digital technology has enable the collecting of Big Data a reality, but being able to use technology to explore these data sets is a very important skill.

Jobs ranging from sport scientists and mathematicians to accountants and analysts require the ability to analyse and manipulate big data.