IMPORT YOUR DATA

1. Run Genstat by double-clicking the desktop shortcut.
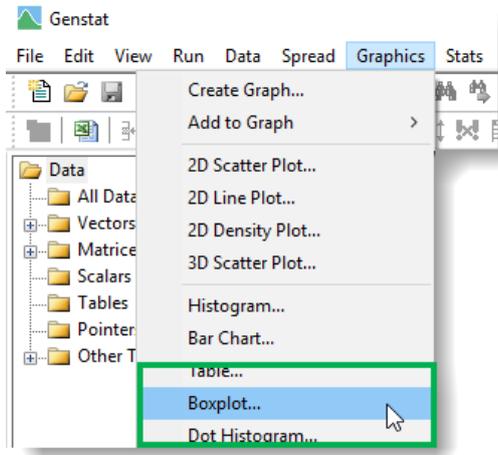
Genstat 18th
Edition
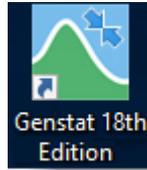
2. Select an existing spreadsheet to display from the **Recent data sets** and files section by clicking **Example data set**.

Recent data sets and files:

Open: Selected file(s)...
         New file(s)...
         Example data set...
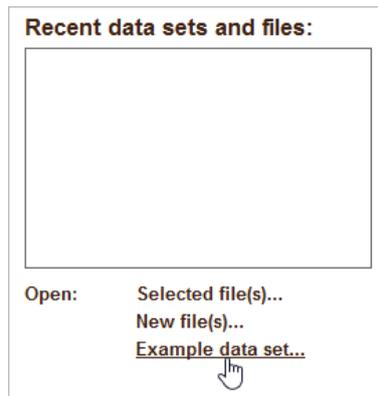
3. Type `sulphur.gsh` into the **Look for file** field then click **Open data** to display the spreadsheet.
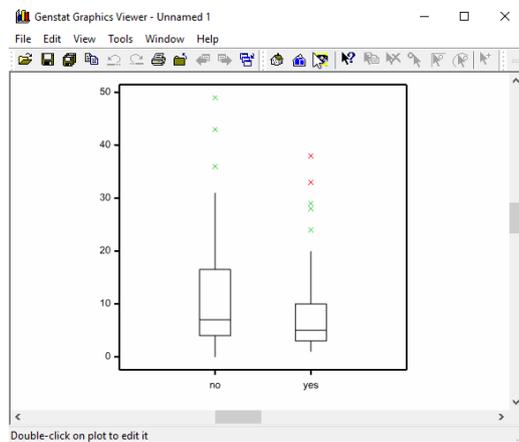
CREATE A GRAPH

1. From the menu select **Graphics | Boxplot**.

2. a) Select **Variate(s) with single grouping factor**. b) Double-click `Sulphur` to move it to the **Data variate(s)** field then c) move the mouse cursor to **Grouping factor** and double-click `Rain` to use this as the group factor.
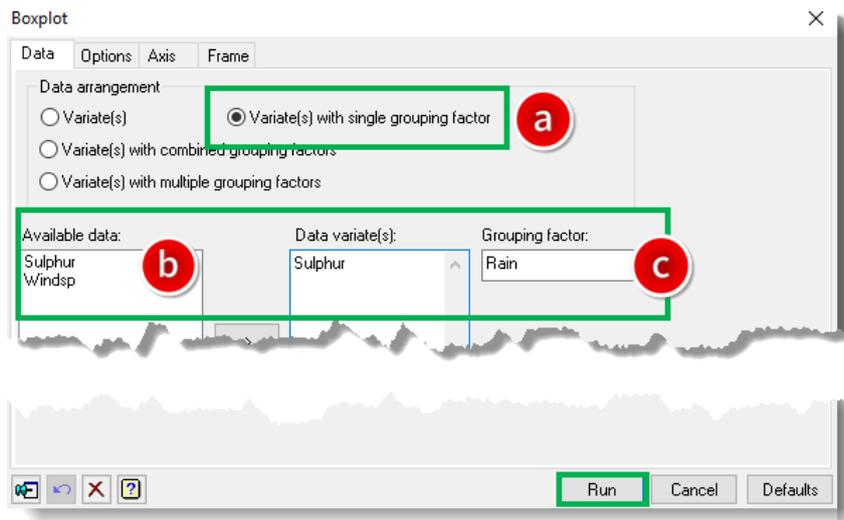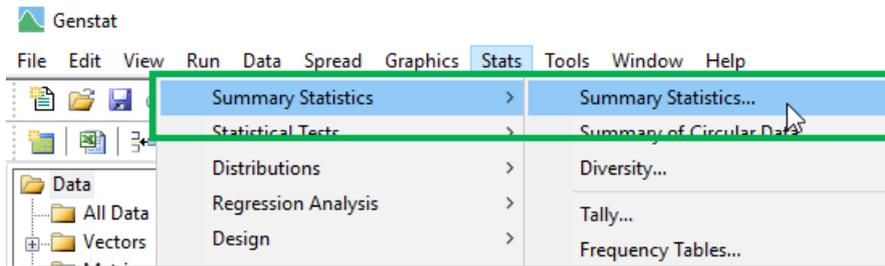

3. Click **Run** to open the Graphics Viewer, which will plot your graph.

RUN A STATISTICAL ANALYSIS

1. Compare two samples in `sulphur.gsh` – sulphur in the air on dry days and sulphur in the air on rainy days. From the menu select **Stats | Summary Statistics | Summary Statistics**.

2. a) Double-click `Sulphur` to move it to the **Variates** field. b) Place the cursor in the **By Groups** field then double-click `Rain` to move this factor to **By Groups**.
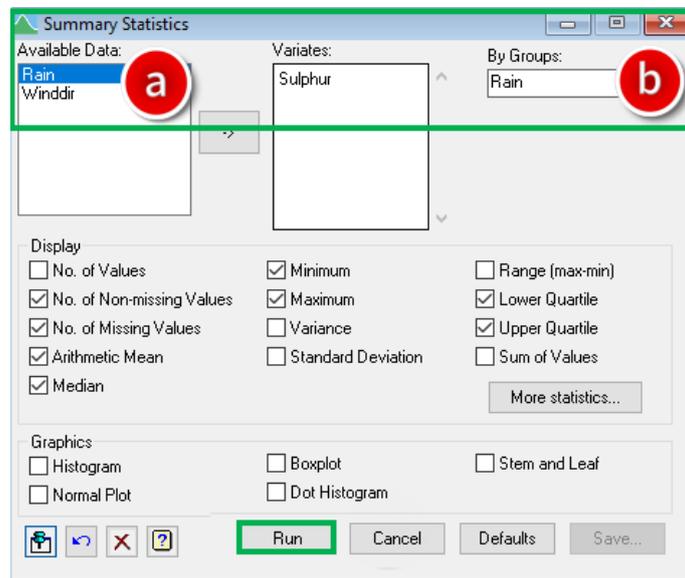
3. Click **Run** to display the results in the Output window.

This numerical summary indicates that there is a higher than average sulphur content in the air on dry days:
**Rain no** Mean = 12.09
vs
Rain yes Mean = 8.38

SHARE YOUR RESULTS

1. We'll save our Output window results and boxplot into a Microsoft Word file so we can share it with colleagues. Place your mouse cursor within the Output window text and drag the mouse to highlight the parts you wish to copy – use the Windows shortcut keys **CTRL+C** to copy the text. Now open Microsoft Word and use the Windows shortcut keys **CTRL+V** to paste the summary results into your document.
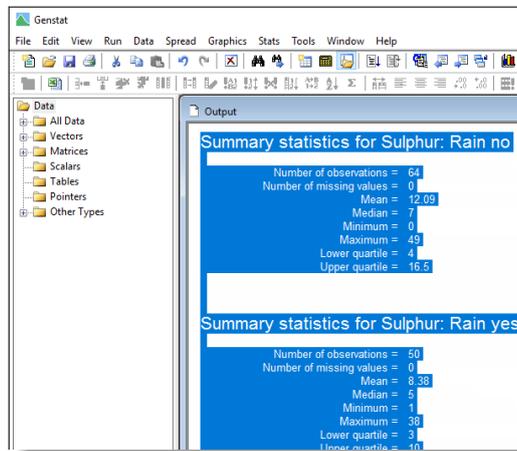
2. Next we'll save the boxplot as an image file so you can insert it into Word. From the Genstat toolbar click to re-display the Graphics Viewer.
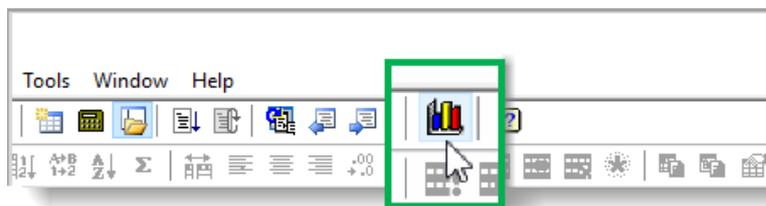
3. From the Graphics Viewer menu, select **File | Save As…** then save the boxplot as a .png or file type of your choice. You can now insert this into your Word file.
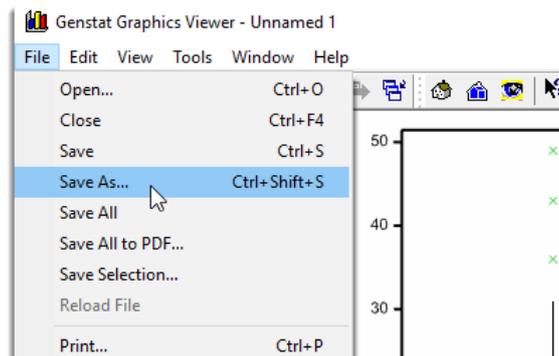
WANT TO LEARN MORE?

All of the tasks in this document are explained in more detail in the *Introduction to Genstat for Windows* guide, which you can access from the Genstat Help menu:
Help | Genstat Guides | Introduction to Genstat for Windows.