COMP2211: SOFTWARE ENGINEERING GROUP PROJECT
# GROUP 22: User Guide

1. Load and Clearing Data

Firstly, select the data tab.

Click "Select" and select the appropriate file for each log.

Click load after logs are selected (It may take a few seconds for the data to load as the program may freeze).
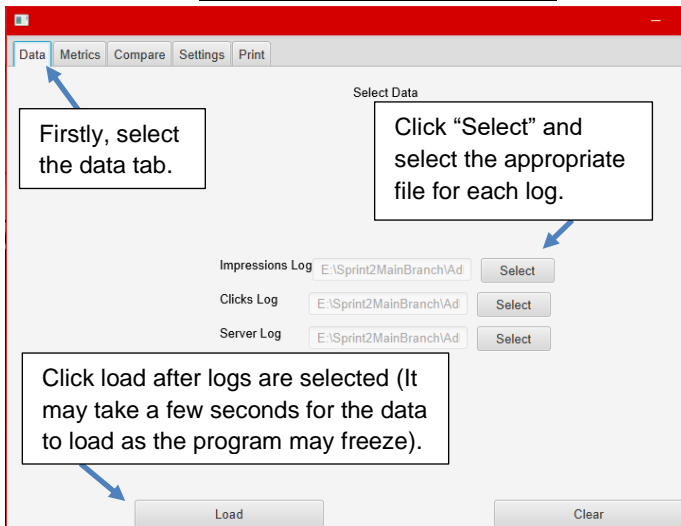
If files are not selected, a warning will appear (shown on the right).

Additionally, if a file format is incorrect the data will fail to load, and you will be informed through an error.
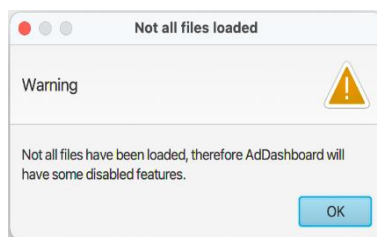
The program will then attempt to perform calculations on the data it has.


In the image above, only the impressions file has been loaded therefore, only impressions and bounces can be calculated.

2. Filters

Generic Filter:

To use this, select appropriate filters to match your search. The filter then applies to all graphs and key data displayed on the "Metrics" tab.

There is a similar filter on the "Compare" tab that works the same. Each graph in this section has its own filter and can be set separately (filter can be seen in the compare demographics section).
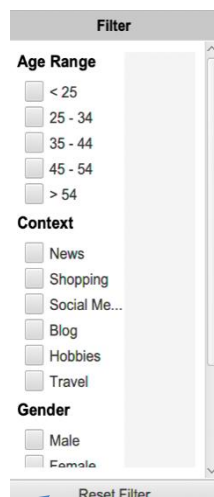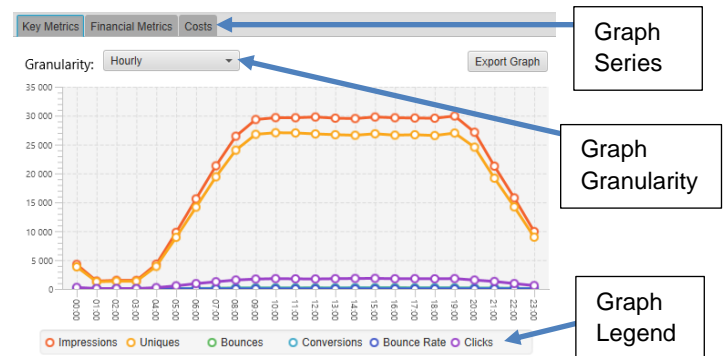

Filters can be reset by clicking this button

Date Filters:

"From" and "To" date is restricted to dates within the campaign data loaded. Select the dates sought by clicking the fields and using the calendar shown.

3. Graph Series and Granularity

Graph Series
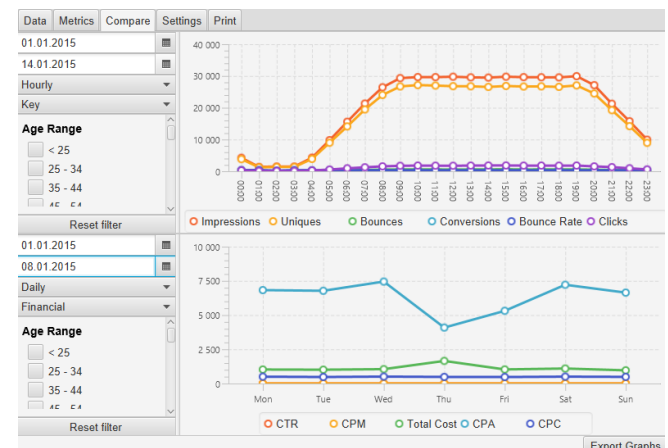
Graph Granularity

Graph Legend
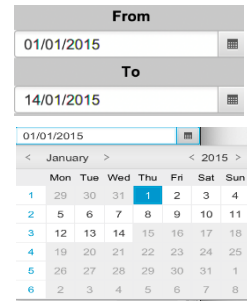
To change graph series, simply click on the label wanted.

To change granularity, click the dropdown box and select between hourly, daily, weekly, and monthly.

To disable a metric from appearing on the graph, click the circle of the desired metric on the legend (to re-enable just re-click).
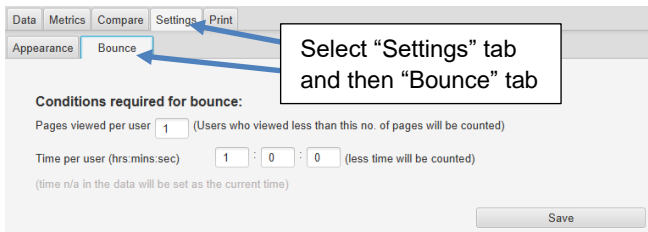
4. Compare Demographics

On the "Compare" tab, two graphs are available next to (and are independent) of each-other.
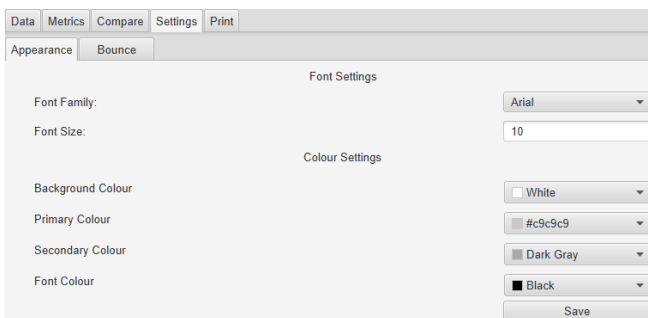
These graphs can be changed in the same way as described above in the filters, and graph series and granularity sections (the series can be found in the "key" dropdown box).

5. *Change Bounce Settings*

Select "Settings" tab and then "Bounce" tab

The bounce can be set by the boxes above. The first box is the condition set by number of pages viewed and the second set of boxes is the time constraint of these page views (entered in hours, minutes, and seconds). Any users with less pages and less time will be counted.
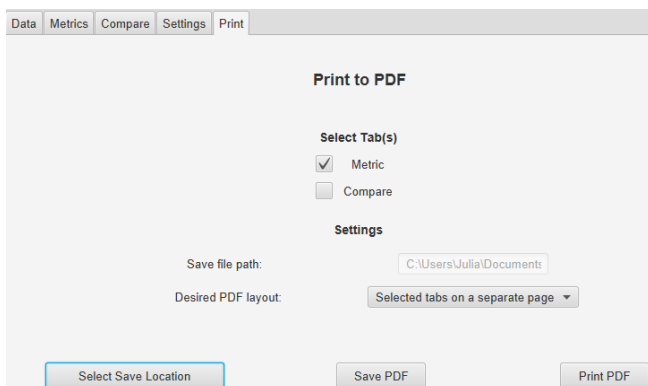
6. *Change Appearance*

Under the "Settings" tab the "appearance" tab is found. Here the settings shown above can be altered by using the dropdown box to the corresponding option. Font size is restricted between 10 and 13 (If a larger size is required, a magnifying software can be used, typically provided by most OS).

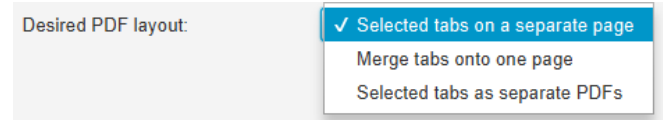After any changes the save button must be used.

7. *Save/Print PDF and Exporting graphs*

Firstly, when printing a tab, select the desired tab(s) by ticking the boxes. To print the correct data, open the metric/compare tab and select all filters desired.

To print a PDF, locate the "Print" tab and use the print PDF button. This will open the PDF and save it to the specified file path selected. To print the PDF, use the print function as a part of the PDF viewer.

The save button instead only saves the PDF to the specified location without opening.

Under the desired PDF layout dropdown, 3 options for the PDF can be chosen as displayed above.

Finally, the export graph button seen below saves the graph as a .png file. This button is available in both the metrics and compare tab

Export graph button
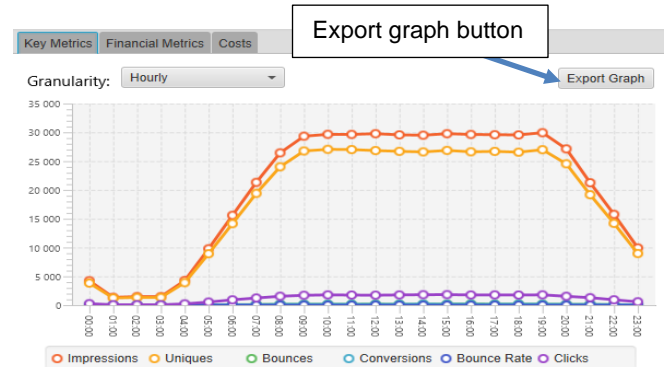
8. *Frequently Asked Questions*

Can I see exact numbers on the graph?

Yes, you can hover over each data point, and it will display the value of the graph at that point.

What Java must I have to run this?

Java 17. If you are having issues, make sure you're on OpenJDK or Oracle JDK.

Can I zoom in on the graph?

No.

Can I make the program window larger?

No. On some platforms, it may allow you to increase the window size, but this will have no impact on the output - only empty space will be shown.

9. *Known Issues*

My program won't open - it's spewing an error about "no pipeline found".

This is an irritating bug with JavaFX and maven. You will need to compile the program yourself. To do this:

Go into the folder with "pom.xml".
Run "`mvn clean javafx:run`"

This will start the application using your platform as its base. Make sure you do not move your mouse whilst it is in the compilation stage as it is used in

I've updated the colour settings/or loaded in data, but some parts of the program seem to be in the wrong colour or greyed out.

This is another irritating bug in JavaFX that occurs on some platforms and not others. You will need to switch tabs a few times or tick and then untick a filter option to force JavaFX to "refresh" the display.

The PDF I have printed/saved is displaying incomplete data

Simply wait for the data to load and open the metrics and compare tab once loaded to ensure data is completely loaded.