

Opening the application

To run the program you need to have the jar file. From the command line you can run the application by using this command:

```
java -jar --module-path=lib/javafx-sdk-15.0.1/lib  
--add-modules=ALL-MODULE-PATH ./increment3.jar
```

When initially opening the application most of the buttons will be greyed out. That is because a database hasn't been created yet. To do that you need to click on the "New Data Set" (1) button, then insert the csv log files that need to be inserted. If everything has been done correctly the "Close" button will turn green and you can safely close the pop-up.

Ad Auction Software

Insert the following CSV files

Impression Log: impressionlog.csv

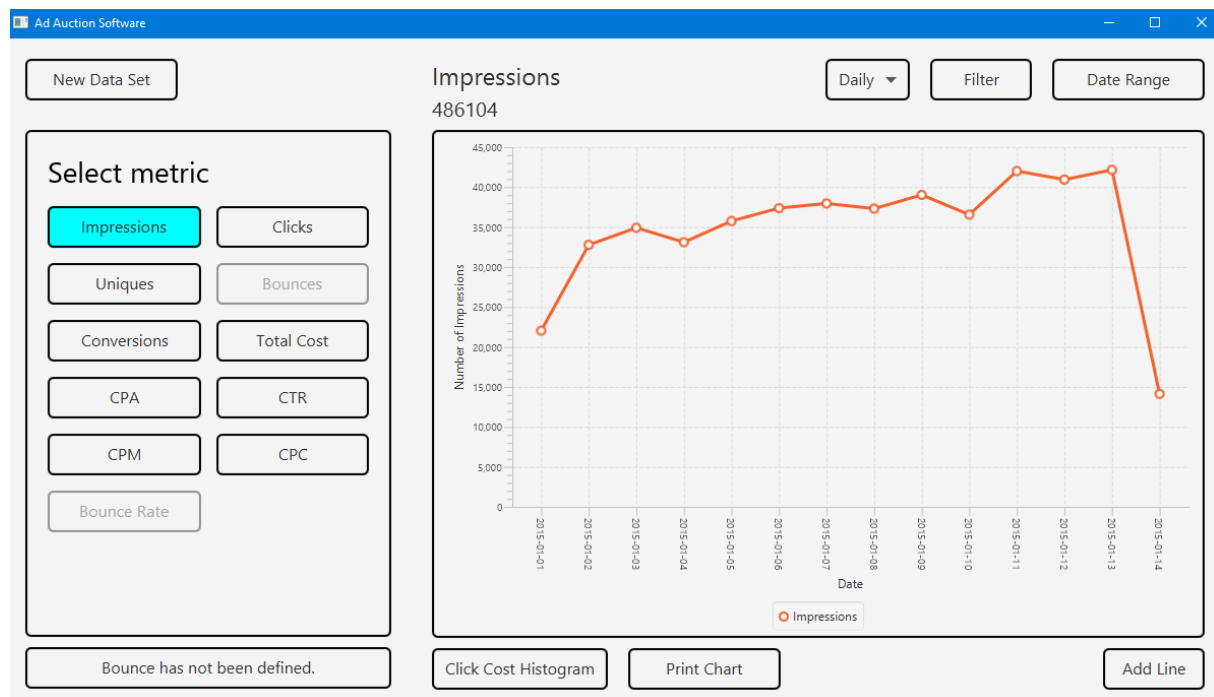
Click Log: clicklog.csv

Server Log: serverlog.csv

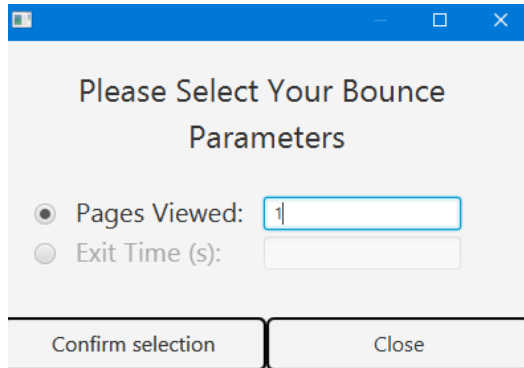
Confirm selection Done, Please close.

Now most of the metrics can be accessed.

How to access the rest of the buttons



To be able to use the “Time Granularity”(2) or “Filter”(3) buttons you first need to create a graph. You can simply do that by clicking on the metric you first wish to see. As such, a graph will be drawn in on the window on the right and the rest of the buttons will be accessible. To access the “Bounces” and “Bounce Rate” buttons you need to first define what a bounce is. You can do that by clicking on the button named “Bounce has not been defined”(6). There, you can choose either “Pages Viewed” or “Exit Time”, click confirm and the bounce buttons will be enabled.



Please Select Your Bounce Parameters

☒ Pages Viewed:

☐ Exit Time (s):

Confirm selection Close

How to use the different buttons for the graph

Using the time granularity(2) button: On the upper-side of the application there is a button initially called “Daily”. It means that the time granularity of the chart is daily. You can change it to “Hourly” or “Weekly”.

Using the “Filter”(3) button: You can press the filter button and simply select the wanted filters, along with the date-range of the line. After that you only need to click confirm and the chart will be updated with the desired filters applied to it.

Using the “Data Range”(4) button: You can change the date range of the graph by pressing the button and then selecting the range you wish to take into consideration. This would affect all of the lines of the graph.

Using the “Click Cost Histogram”(7): We have also implemented a Click Cost Histogram which can be accessed simply by pressing the button and the histogram will appear instead of the graph. To switch back, simply choose one of the metrics from the left.

Using the “Print Chart”(8) button: After a graph has been created you can simply click on the “Print Chart” button. From there on, you need to select the printer you wish to use (either a physical one or to print-to-pdf). If pdf has been selected you will get another popup asking you where you wanna save the file and under what name.

Using the “Add Line”(9) button: To add a new line you have to click on the “Add Line” button. From there on you need to select the kind of filters you want the line to have, along with the date range of the new line. After that you can simply click “Confirm” and a new line will appear.

Known issues

1. If you change the time granularity to weekly, you need to specify the date whenever you add a new line otherwise the line won't load into the graph. Also when adding a filter or specifying a new date range the dates are blank unlike when it automatically picks the earliest and latest date in the csv.