How to Download Tableau

While there are different versions of Tableau, we will be using Tableau Public as it is free to use.

How to install:

1. Go to this link to download Tableau Public: <https://public.tableau.com/en-us/s/>
   1. This will work for both Mac and Window users
2. Enter an email and download as normal

Note: If you have a Mac you can also install it by running this command on your terminal. You can only do this if you have “Homebrew” installed.

brew install --cask tableau-public

How to create a public account to save workspace/visualizations:

1. Create an account using <https://public.tableau.com/en-us/s/>
2. Create a username and password

**Steps to make scatterplot and bar plot:**

1. Add in your data

To load in the Excel file, go to “Microsoft Excel” and choose your file

Graphical user interface, application, Word

Description automatically generated

1. Put in your sheet and look at potential options

Graphical user interface, application

Description automatically generated

Timeline

Description automatically generated

1. Create scatterplot of results in Worksheet 1
2. Create a worksheet and drag the “Median connectivity score” to the row option and the “Perturbagen” into the column option.

Graphical user interface

Description automatically generated with low confidence

1. Choose graph type

Graphical user interface, application

Description automatically generated

1. Make x axis limits and rename axis

Graphical user interface, application

Description automatically generated

1. Make colours based on median connectivity score

Graphical user interface, table

Description automatically generated

1. Make negative colours blue and positive colours red

Graphical user interface, application

Description automatically generated

1. Sort so that the connectivity scores are ordered as you like



1. Make perturbagen type a specific shape: Select specific shapes for each perturbagen type



Graphical user interface, application

Description automatically generated

1. Make a bar graph in Worksheet 2 and 3
2. Create square graph with only one column value

Graphical user interface, text, application

Description automatically generated 

1. Make perturbagen a square colour

Graphical user interface, text, application

Description automatically generated

1. Filter perturbagens in the bar graph by their connectivity score (i.e. similar and dissimilar expression profiles)

Graphical user interface, application

Description automatically generated Graphical user interface, application

Description automatically generated

1. Increase the square sizes

Graphical user interface, application

Description automatically generated

1. Write the perturbagen names on the graph



1. Combine all graphs/worksheets on Dashboard
2. Different layouts you can have as well as objects you can insert (i.e. hyperlink, extension, etc)

A picture containing graphical user interface

Description automatically generated

1. Clicking the filter button on one graph and clicking on a perturbagen, can bring that one up on another graph

A picture containing graphical user interface

Description automatically generated

1. Save the dashboard to your Tableau Public account (can access it on the Tableau website)

Graphical user interface, text, application

Description automatically generated