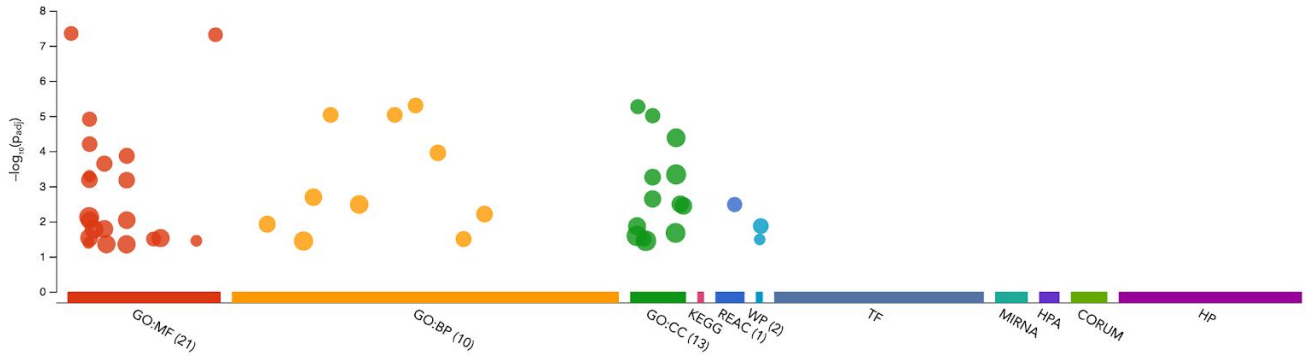
g:Profiler

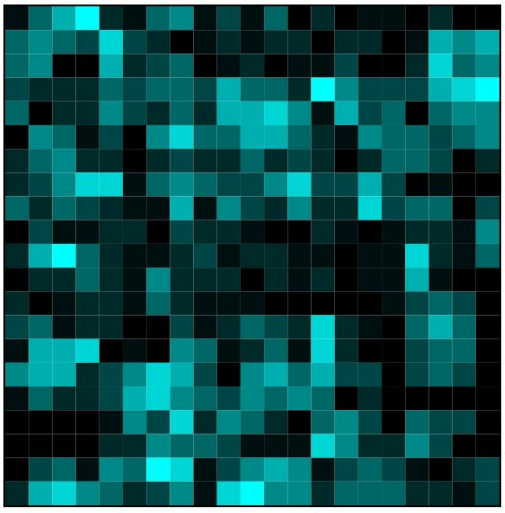
Example:



Description: This is a manhattan plot. It appears to have x-axis labelled with gene sets, y-axis is labelled with p-values (on a negative log scale). When you hover over the circles, they display the gene name, it's description, and the p-value. I'm not exactly sure what the size of the circles represents (probably count?). I found the paper describing this update and it says that they are the first to use a Manhattan plot to visualize enrichment analysis results. I think that this plot is useful in the beginning stages of enrichment analysis but in general when presenting findings and writing a paper I would imagine that most people would want to look at a smaller subset of gene sets.

Network2Canvas

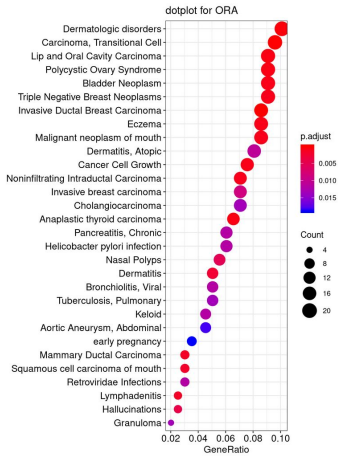
Example:



Description: I believe the example above is just random, but I was not able to find any gene sets that showed any meaningful results from the sample genes! It seems like this offers similar features to what Enrichr currently offers - networks and some type of cluster gram.

[cluserProfiler Chapter 12: Visualization of Functional Enrichment Result]

Example:



Description: The dotplot shown is similar to a bar graph, but allows for additional information to be shared in the sizes of the circles (count). There are also more interesting examples in the chapter linked.

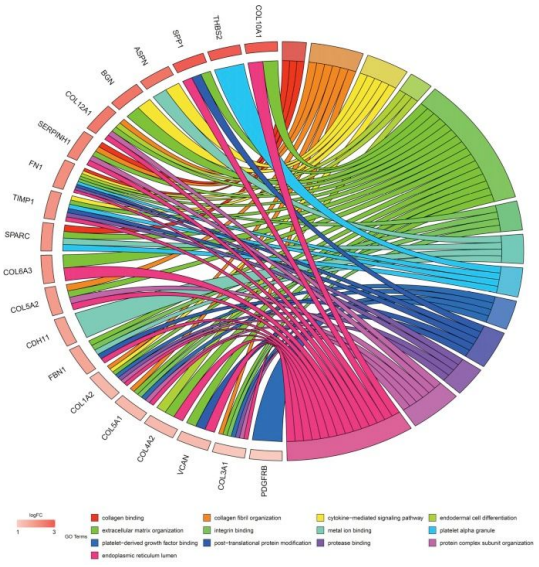
[Paper on Osteoporosis]

Example: dot plots that look just like the one above

Description: Used enrichment analysis data specifically from Enrichr to create this dot plot.

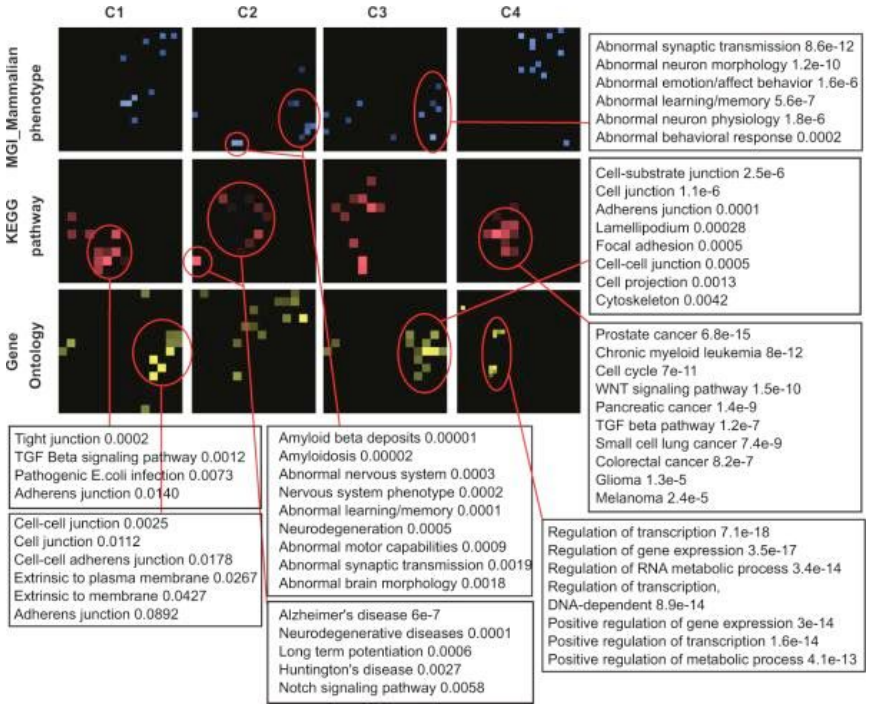
[Paper on Gastric Cancer in Asia that cites Enrichr]

Example:



Description: I'm not totally sure that this visualization does not require analysis methods other than what Enrichr provides, but I think this one is particularly eye-catching. It's not the most clear in terms of information but when combined with other plots it can be useful.

[Canvas Example from Autism Paper]



[Paper on Network2Canvas]