Shayla Ghose

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**Volcano Plot:**

-Scatterplot.

-Shows which genes are up and down regulated.

-Shows each gene’s log2FC and adj. P-value to determine significance.

-Color represents significance.

**Heatmap:**

-Groups genes that have similar expression levels, can include clustering.

-Grid of colored cells.

-Shows expression patterns across samples.

**KEGG Enrichment Pathways:**

-Used to see what other biological terms/process the significant genes could be linked to.

-Determines if genes are overrepresented in a set of data to determine their significance.

-Detects which pathways are associated with a set of genes.

-Statistical enrichment determines if pathways are beyond just random chance.

**STRINGdb PPI Networks:**

-Represents interactions between proteins.

-Identifies hub genes (highly connected genes)

-Can explore disease mechanisms and lead to targeted therapies.