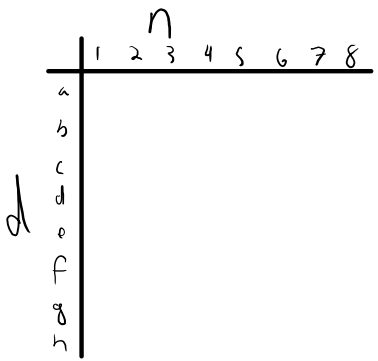
Multi-Dimensional Scaling

Similar to PCA, but instead of converting correlations into a 2D graph, MDS converts distances among samples into a 2D graph



calculate distance between every pair of n_i

Euclidean distance: $\sum \sqrt{(d_a - d_b)^2 + \dots}$

SAME PLOT AS PCA

Log Fold Change: $\text{avg}\left(\left|\log\left(\frac{n_a}{n_b}\right)\right|\right)$

Lots of ways to calculate distance

no "right" way, some better on some datasets, some better on others