WHAT IS STABILITY?

- how a machine learning algorithm performs if data is perturbed
 - looking for robust algorithms does not produce a wildly different result for very small change in the input data
- types of perturbation considered here
 - alter every feature (gene) by some amount (test I)
 - alter a subset of features by some amount (test II)
 - best way to select the features? (test III)

STABILITY TEST I

- represents an error in calibration of equipment
 - same effect across all genes
- = p = {0, 0.05, ... 0.95, 1.00}
- For each gene, g
 - g' = rand(g g*p, g + g*p)

