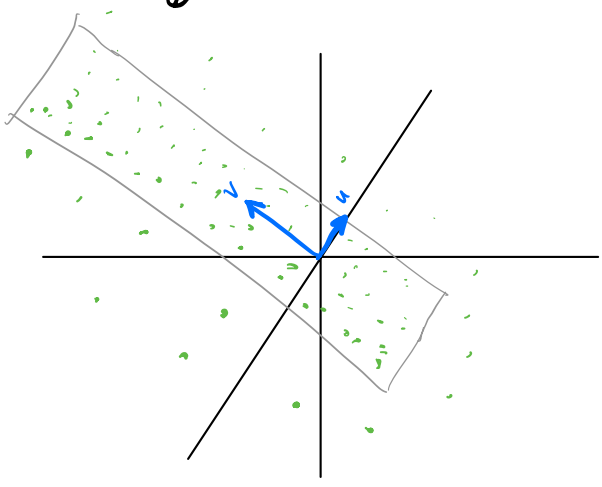
DATA 311 - Lecture 23: Unsupervised Learning

Dimensionality Reduction

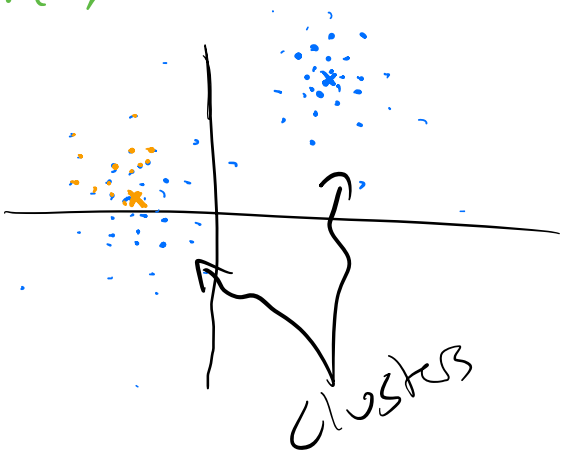
Dataset X, ~~y~~

Goal: "discover structure"

lower-dimensional subspace/manifold



$P(X)$



ambient dimensionality

how many D's in vectors

intrinsic dimensionality

"true" # D's needed