

# AutoEncoder (AE): High Level

## TL;DR

- The Deep Learning analog of Principal Components (PCA)
  - Most of the lessons of AE apply equally to PCA
- Unsupervised: no labels (really semi-supervised)
- Create "synthetic features" from the original set of features
- May be able to use reduced set of synthetic features (dimensionality reduction)
- **Generative (vs Discriminative)**











































































































































