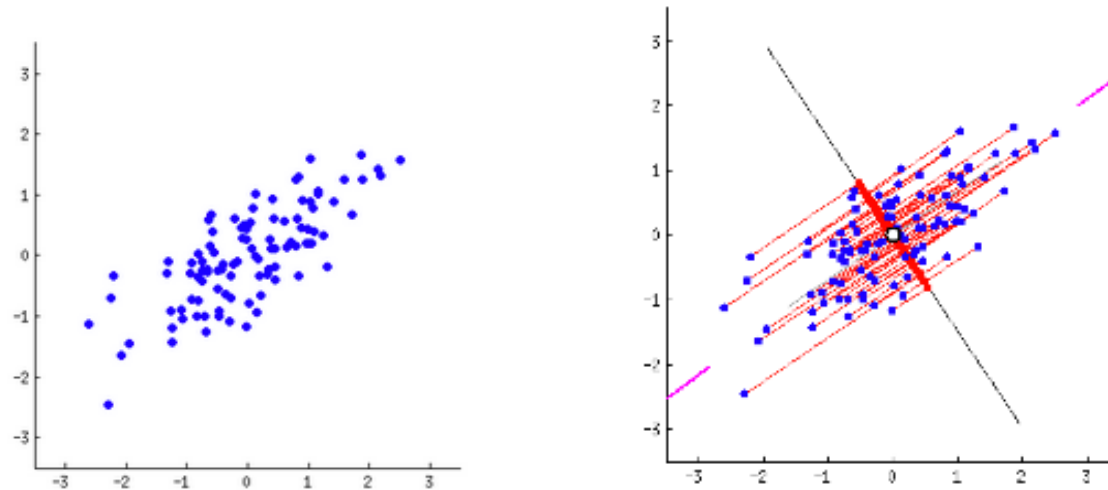


Audio – Feature extraction

Problem: A high number of features is not beneficial because most classifiers are negatively influenced by redundant, correlated or irrelevant features.

Solution: Principal component analysis (PCA) to reduce multidimensional data sets to lower dimensions for analysis.
Compute a high number of features and then apply a feature selection algorithm that chooses the most significant features of the training data for the given task.



<http://stats.stackexchange.com/questions/2691/making-sense-of-principal-component-analysis-eigenvectors-eigenvalues>