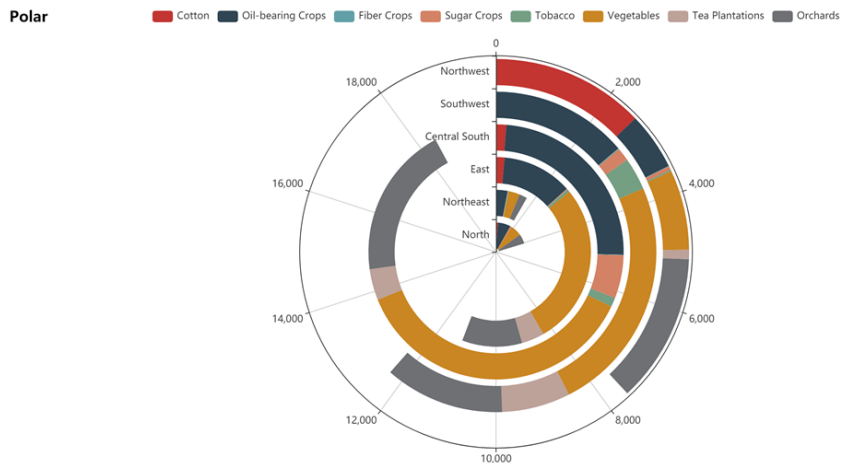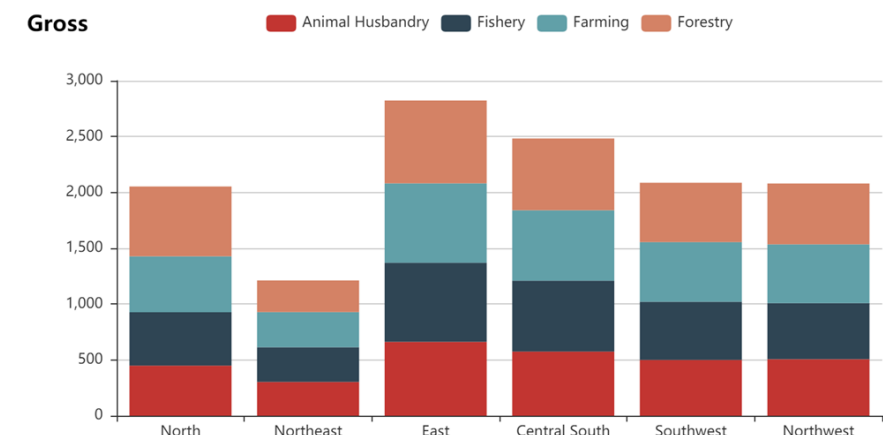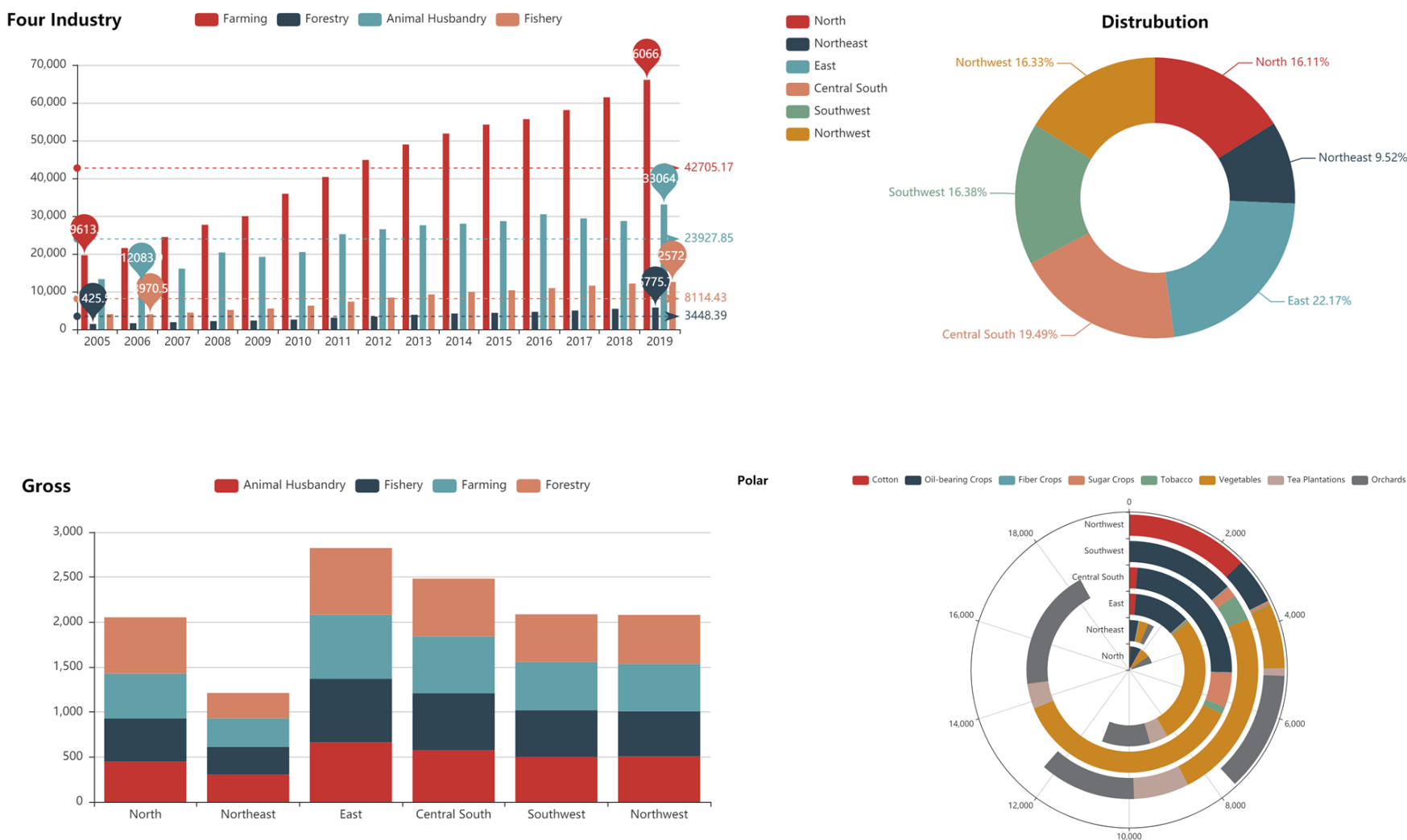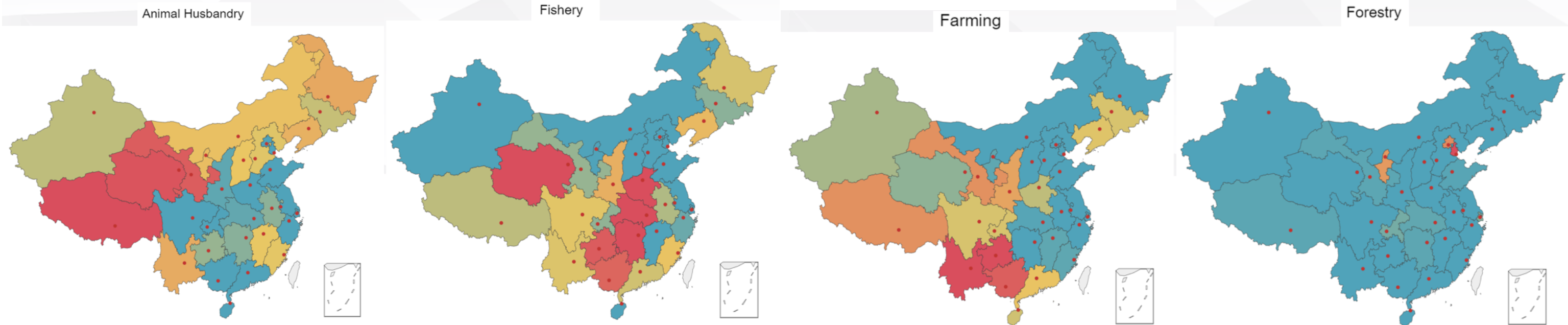# Agriculture of Six Chinese Regions

Visualization

Abstract

According to Chinese official classification, they divide China into six regions: northern region, northeastern region, eastern region, central southern region, southwestern region, and northwestern region. Thirty recorded provinces will be categorized into six classes, and then taking indexes of farming, forestry, animal husbandry, and fishery as four features to perform machine learning models. As well as comparing with other datasets to do visualization.

Modeling

Comparison of SVM, KNN, KMeans, PCA, MLR, etc...

Pearson correlation of features is useful for an initial observation.

Visualization of SVM shows the feasible kernel of this dataset.

The decision tree can clearly check the classification after exploring the depth.

PCA tells which features are dominant.

To be continued...