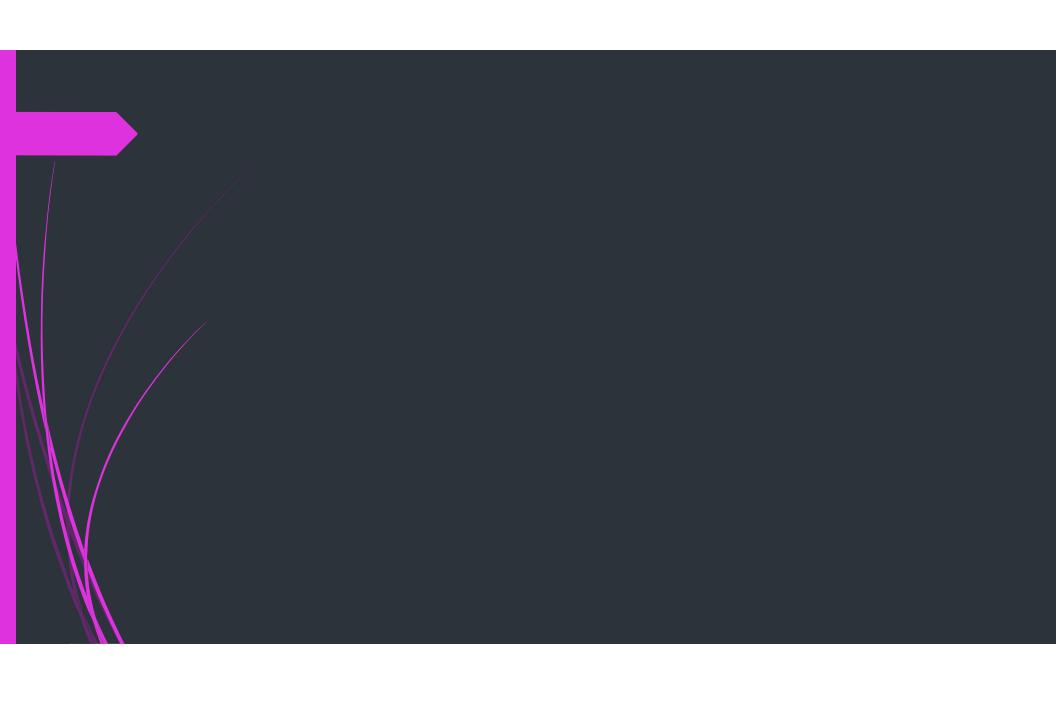
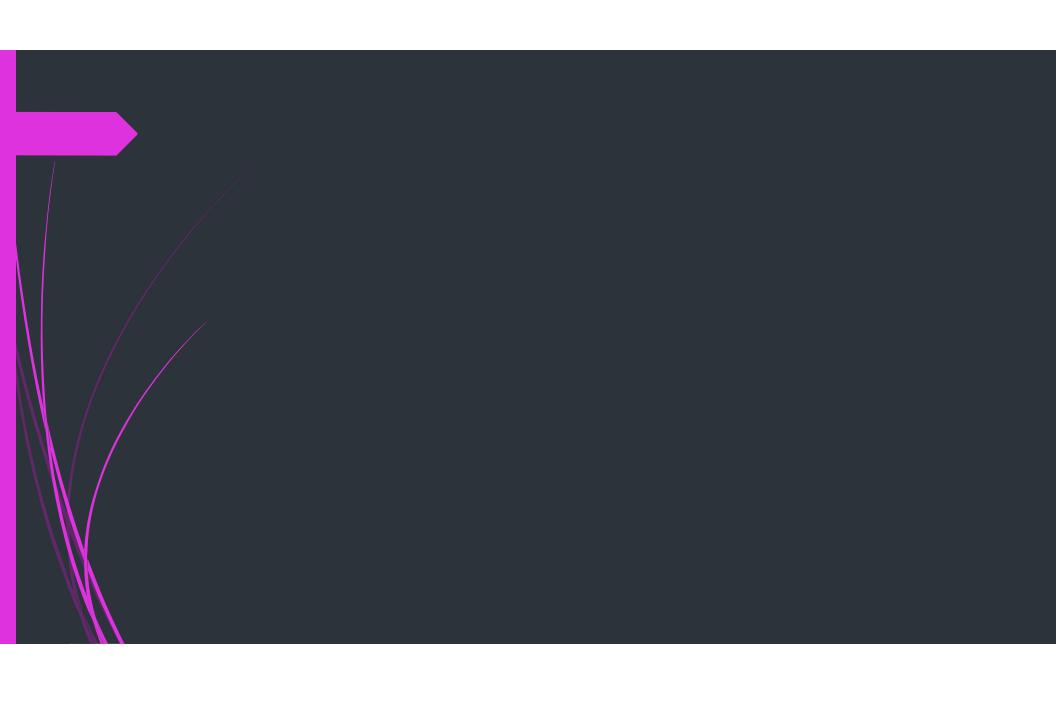


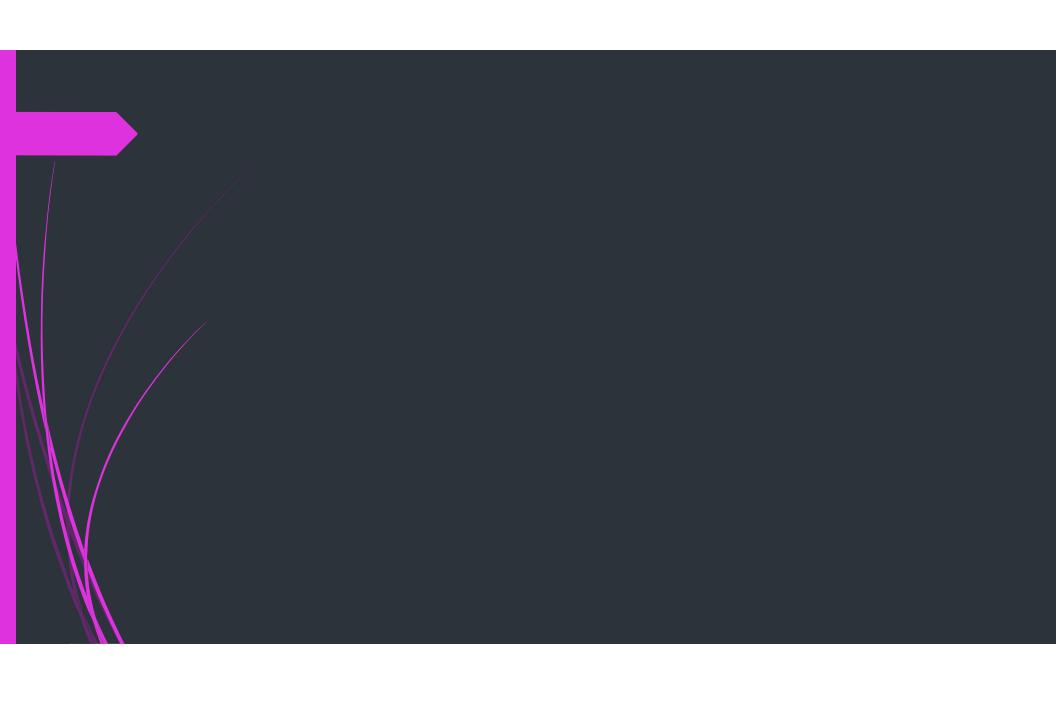
Topics to cover

- Machine Learning:
- (i) Supervised Learning: Regression and classification problems, simple linear regression, multiple linear regression, ridge regression, logistic regression, knearest neighbour, naive Bayes classifier, linear discriminant analysis, support vector machine, decision trees, bias-variance trade-off, crossvalidation methods such as leave-one-out (LOO) cross-validation, k-folds crossvalidation, multi-layer perceptron, feed-forward neural network;
- (ii) Unsupervised Learning: clustering algorithms, k-means/k-medoid, hierarchical clustering, top-down, bottom-up: single-linkage, multiplelinkage, dimensionality reduction, principal component analysis

Supervised learning







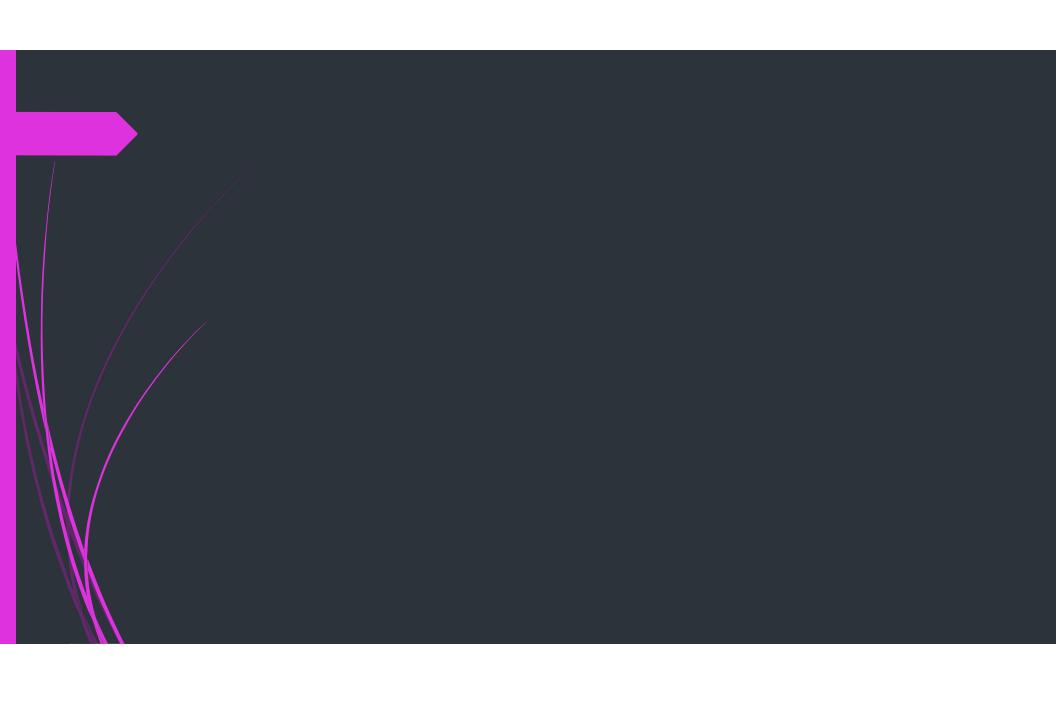
Regression and Classification problems

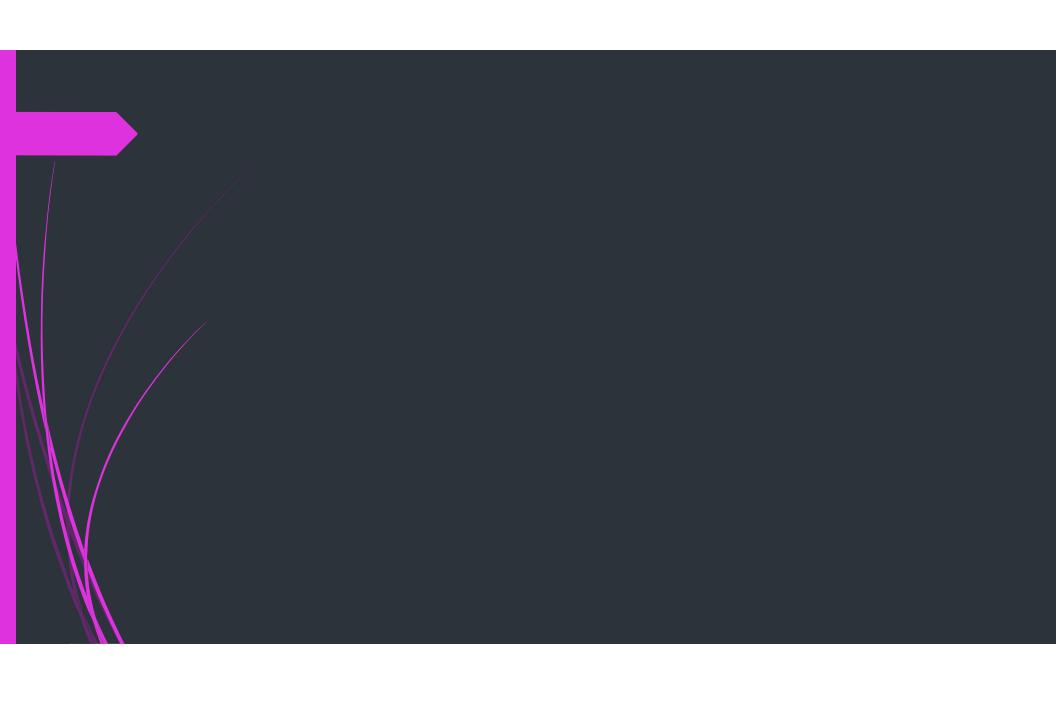


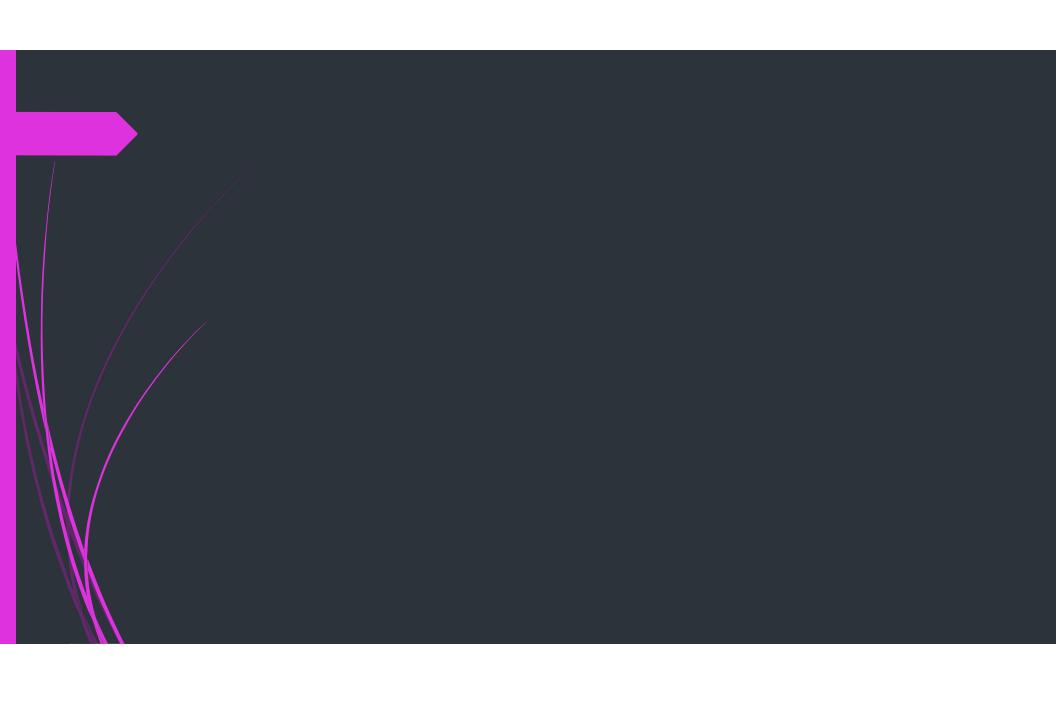
REGRESSION

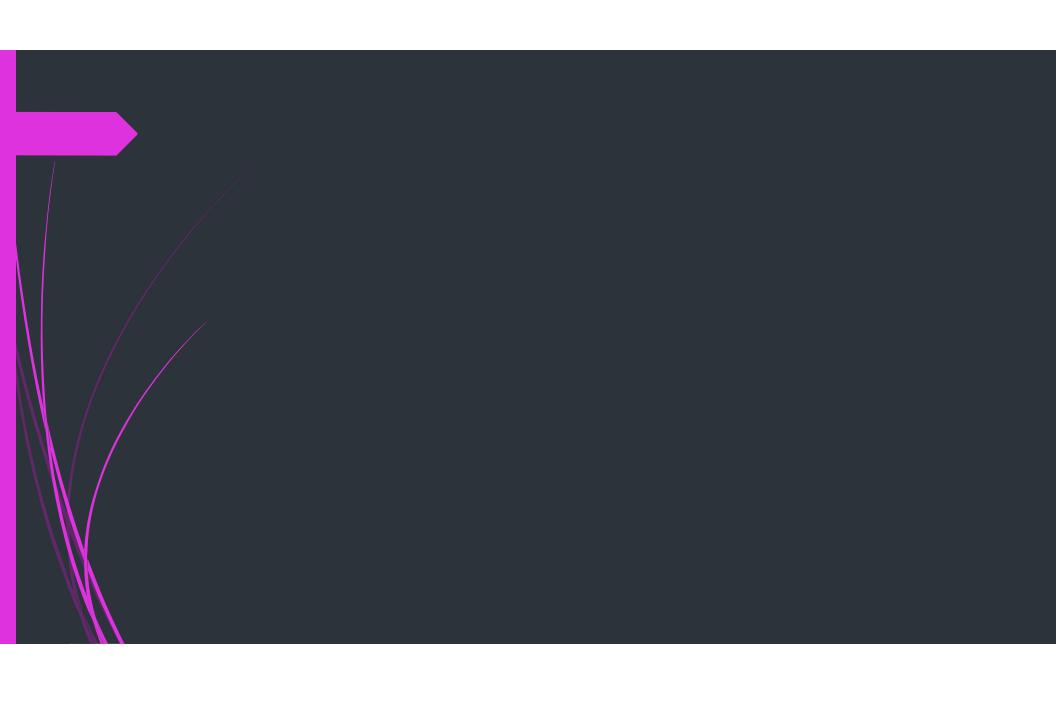


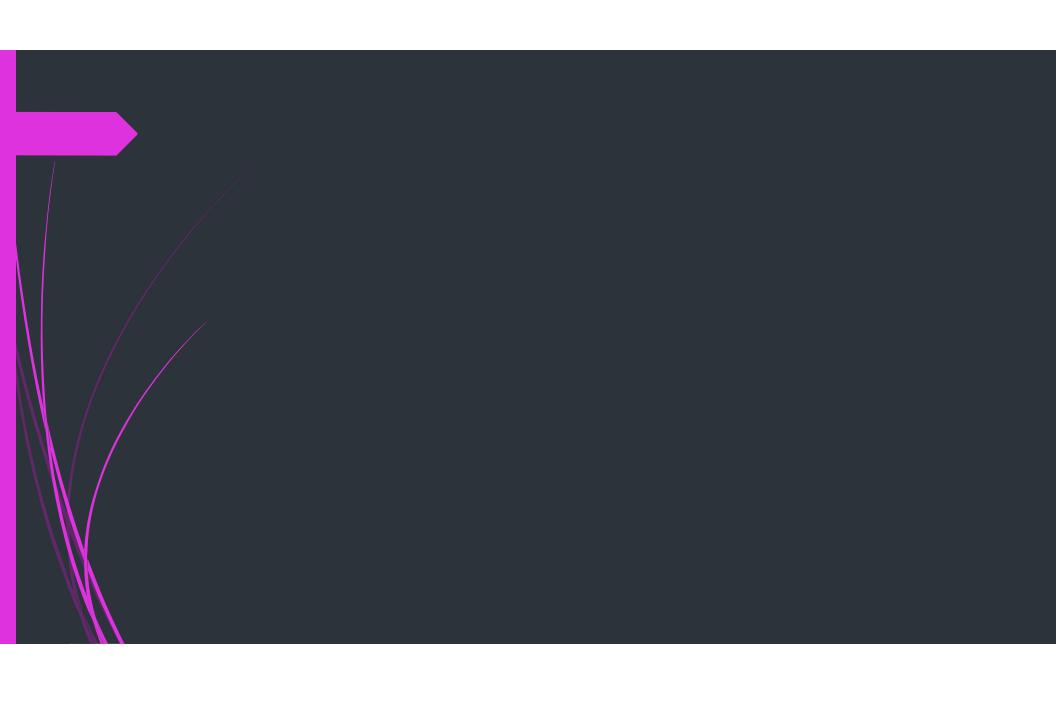
CLASSIFICATION











Party Committees

Food

Gifts

Decorations



