



Homework

- Implement the decision tree algorithm.
 - Use the Breast cancer wisconsin (diagnostic) dataset.
 - The data can be downloaded using the following link:
[https://archive.ics.uci.edu/ml/datasets/Breast+Cancer+Wisconsin+\(Diagnostic\)](https://archive.ics.uci.edu/ml/datasets/Breast+Cancer+Wisconsin+(Diagnostic))
 - You can also load the data using the scikit-learn package (python). (See https://scikit-learn.org/stable/modules/generated/sklearn.datasets.load_breast_cancer.html#sklearn.datasets.load_breast_cancer).
 - Use 5-fold cross validation for evaluation.
 - You can check your implementation by comparing your results with the results obtained via `sklearn.tree.DecisionTreeClassifier`.