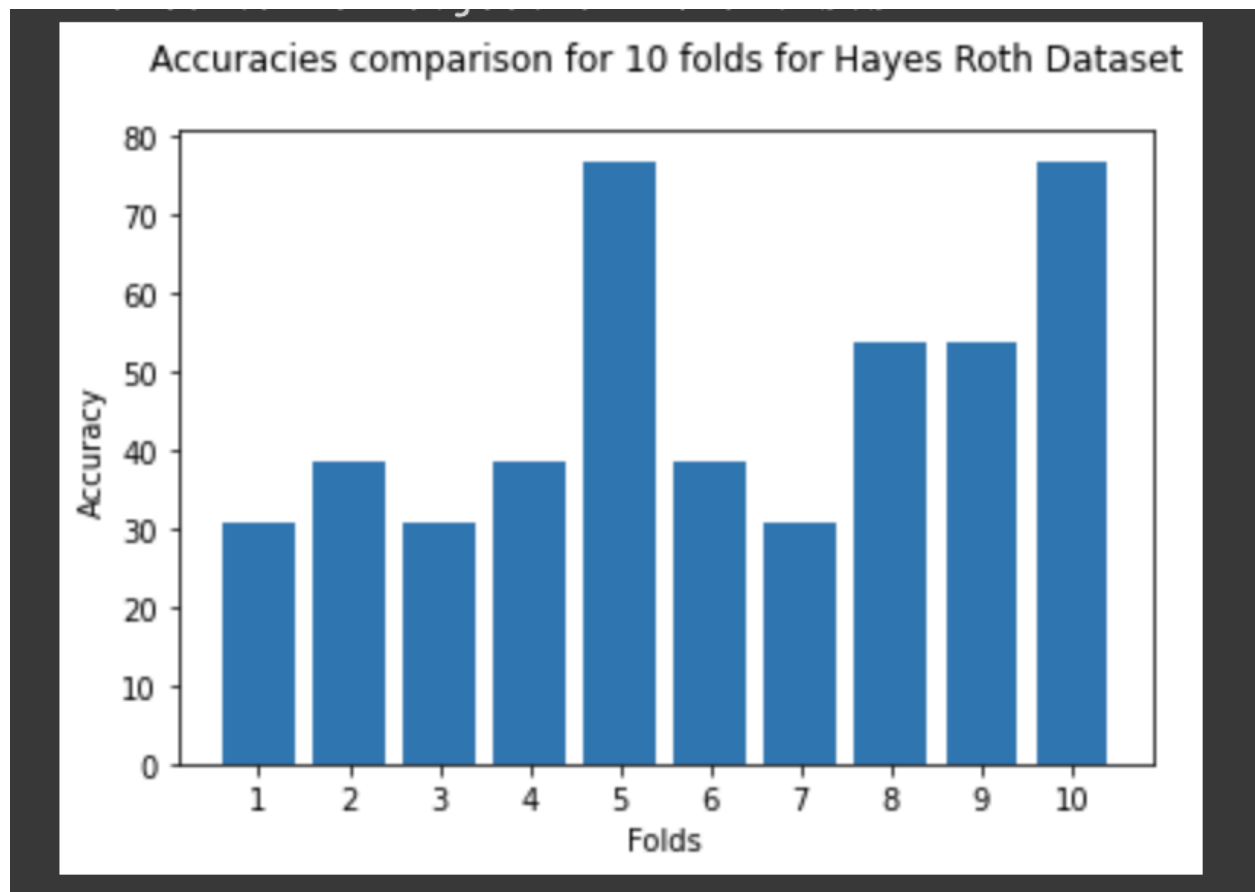


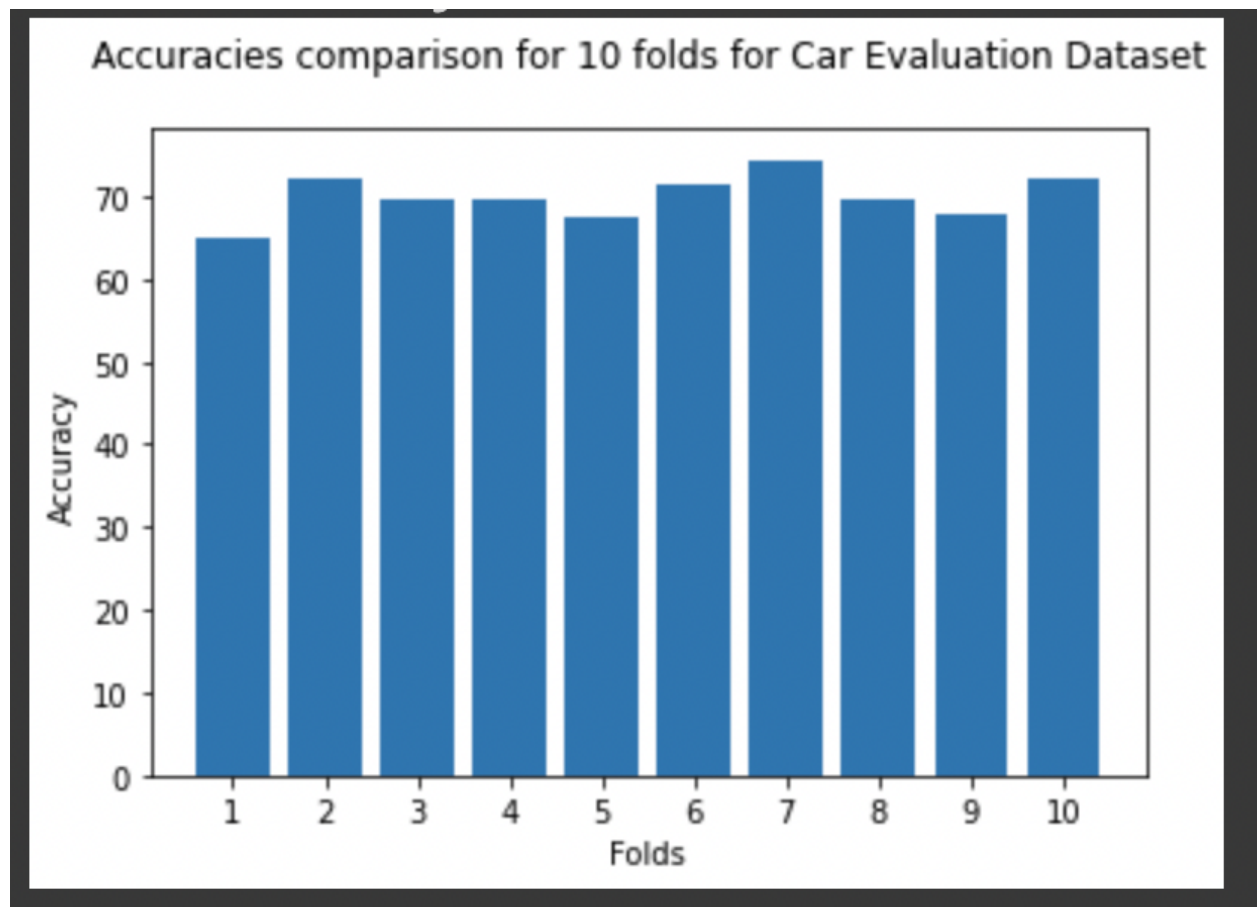
Comparison chart

Dataset	Best accuracy	Average accuracy	Worst accuracy	Weka accuracy
Hayes-Roth Dataset	76.92307692	46.923	38.462	80.303
Car Evaluation Dataset	72.09302326	70	65.116	85.532
Breast Cancer Dataset	81.48148148	70	59.259	73.427

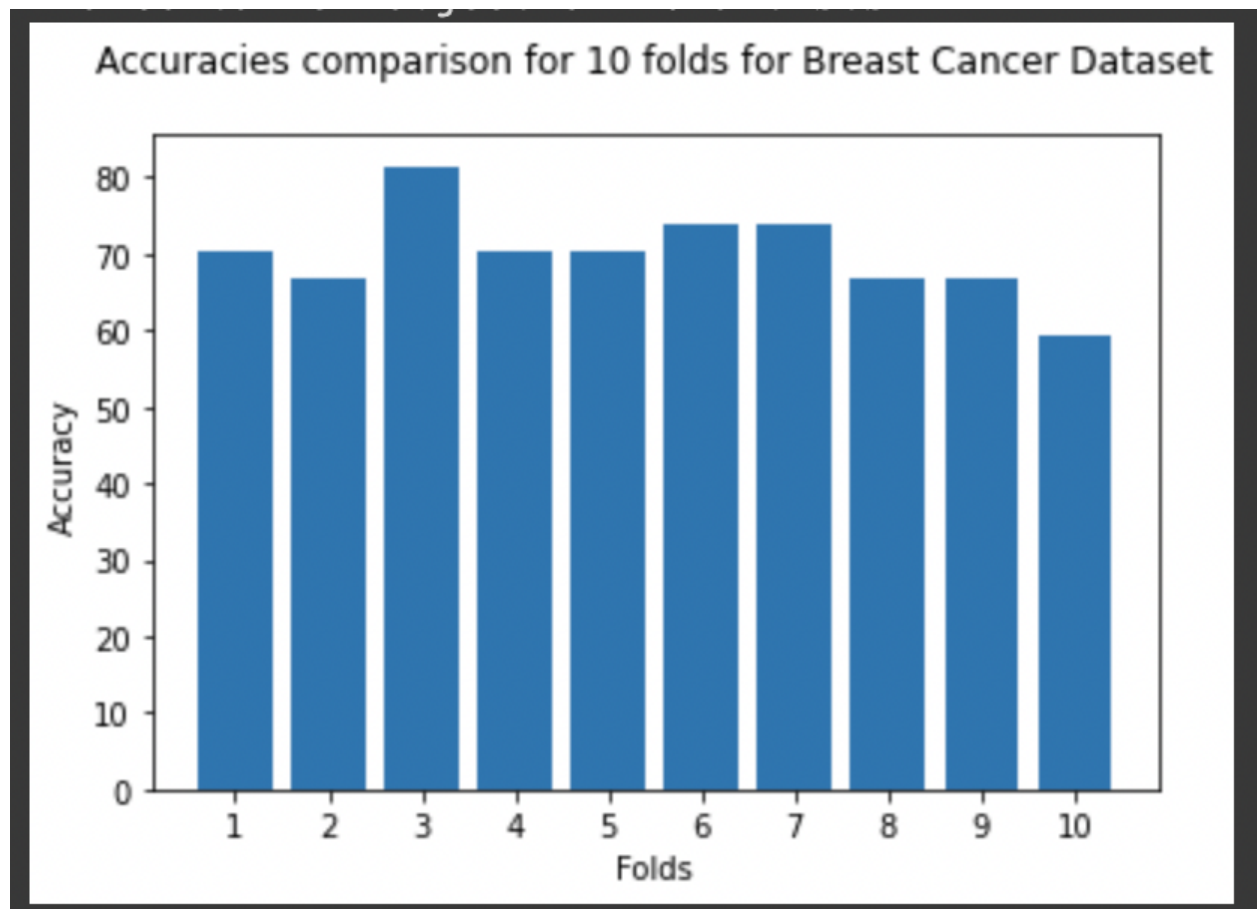
Hayes-Roth Dataset:

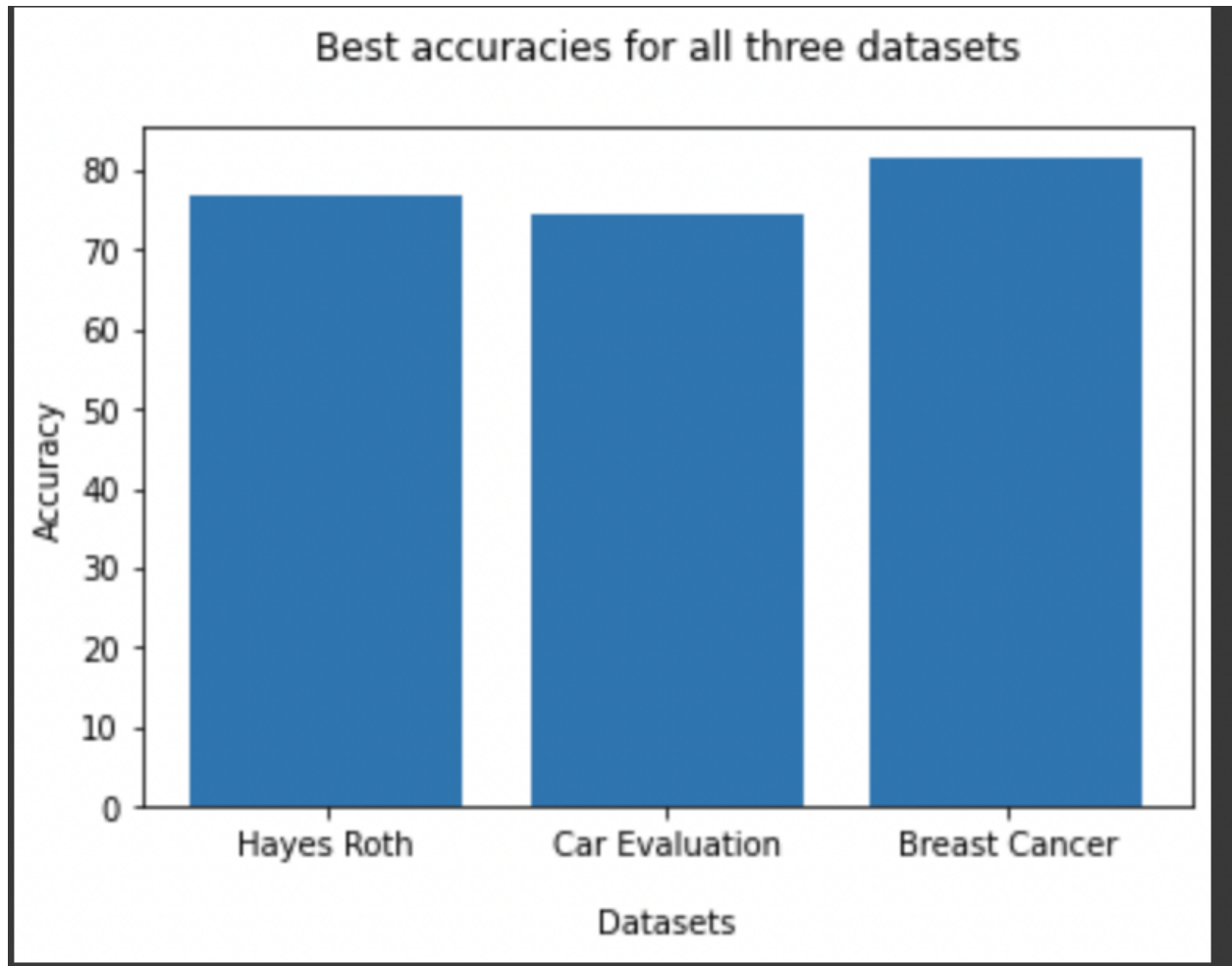


Car Evaluation Dataset:



Breast Cancer Dataset:





Hypothesis comparison

Dataset	P-value
Hayes-Roth Dataset	0.0001406533255
Car Evaluation Dataset	0.00000004336254685
Breast Cancer Dataset	0.005268248552

References

<https://machinelearningmastery.com/compare-performance-machine-learning-algorithms-weka/>

<https://machinelearningmastery.com/naive-bayes-classifier-scratch-python/>

<https://machinelearningmastery.com/k-fold-cross-validation/>

<https://blog.devgenius.io/implementing-naive-bayes-classification-from-scratch-with-python-badd5a9be9c3>

<https://www.kaggle.com/favourphilicvictor/car-evaluation-decision-tree>