

Backward_Elimination_Trace

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PS C:\Users\justi\OneDrive\CS 170\JKR_Project2> python3 .\main.py
Welcome to JKR's Feature Selection Algorithm.
Please enter total number of features: 4
Type the number of the algorithm you want to run.
1. Forward Selection
2. Backward Elimination
2
Using feature(s) {1, 2, 3, 4} accuracy is 67.1%
Using feature(s) {2, 3, 4} accuracy is 76.0%
Using feature(s) {1, 3, 4} accuracy is 50.6%
Using feature(s) {1, 2, 4} accuracy is 71.7%
Using feature(s) {1, 2, 3} accuracy is 76.9%

Feature set {1, 2, 3} was best, accuracy is 76.9%

Using feature(s) {2, 3} accuracy is 16.5%
Using feature(s) {1, 3} accuracy is 54.5%
Using feature(s) {1, 2} accuracy is 90.4%

Feature set {1, 2} was best, accuracy is 90.4%

Using feature(s) {2} accuracy is 65.3%
Using feature(s) {1} accuracy is 93.1%

Feature set {1} was best, accuracy is 93.1%

Finished search!! The best feature subset is {1} which has an accuracy of 93.14694648200714 %
PS C:\Users\justi\OneDrive\CS 170\JKR_Project2> 
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