## Forward Selection 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
Using no features and 'random' evaluation, I get an accuracy of 5.9%
Beginning search.
Using feature(s) {1} accuracy is 26.3%
Using feature(s) {2} accuracy is 10.7%
Using feature(s) {3} accuracy is 87.2%
Using feature(s) {4} accuracy is 24.2%
Feature set {3} was best, accuracy is 87.2%
Using feature(s) {1, 3} accuracy is 17.1%
Using feature(s) {2, 3} accuracy is 73.4%
Using feature(s) {3, 4} accuracy is 91.1%
Feature set {3, 4} was best, accuracy is 91.1%
Using feature(s) {1, 3, 4} accuracy is 94.4%
Using feature(s) {2, 3, 4} accuracy is 40.9%
Feature set {1, 3, 4} was best, accuracy is 94.4%
Using feature(s) {1, 2, 3, 4} accuracy is 7.6%
No improvement, terminating search.
Finished search!! The best feature subset is {1,_3, 4} which has an accuracy of 94.3790305769967 %
PS C:\Users\justi\OneDrive\CS 170\JKR_Project2>
```