

Please enter total number of features: 4

Type the number of the algorithm you want to run.

1) Forward Selection

2) Backward Elimination

Here: 1

Using no features and "random" evaluation, I get an accuracy of 24.67%

Using feature(s) {1} accuracy is 8.52%

Using feature(s) {2} accuracy is 90.11%

Using feature(s) {3} accuracy is 58.83%

Using feature(s) {4} accuracy is 27.1%

Feature set {2} was best, accuracy is 90.11%

Using feature(s) {2,1} accuracy is 91.41%

Using feature(s) {2,3} accuracy is 14.28%

Using feature(s) {2,4} accuracy is 36.49%

Feature set {2,1} was best, accuracy is 91.41%

Using feature(s) {2,1,3} accuracy is 33.26%

Using feature(s) {2,1,4} accuracy is 67.17%

(Warning, accuracy has decreased!)

Finished search!!! The best feature subset is {2,1}, which has an accuracy of 91.41%

Please enter total number of features: 4

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1) Forward Selection

2) Backward Elimination

Here: 2

Using features {1,2,3,4}, I get an accuracy of 22.33%

Using feature(s) {2,3,4} accuracy is 72.44%

Using feature(s) {3,4,1} accuracy is 76.65%

Using feature(s) {4,1,2} accuracy is 69.19%

Using feature(s) {1,2,3} accuracy is 91.89%

Feature set {1,2,3} was best, accuracy is 91.89%

Using feature(s) {2,3} accuracy is 37.17%

Using feature(s) {3,1} accuracy is 53.46%

Using feature(s) {1,2} accuracy is 85.91%

(Warning, accuracy has decreased!)

Finished search!!! The best feature subset is {1,2,3}, which has an accuracy of 91.89%