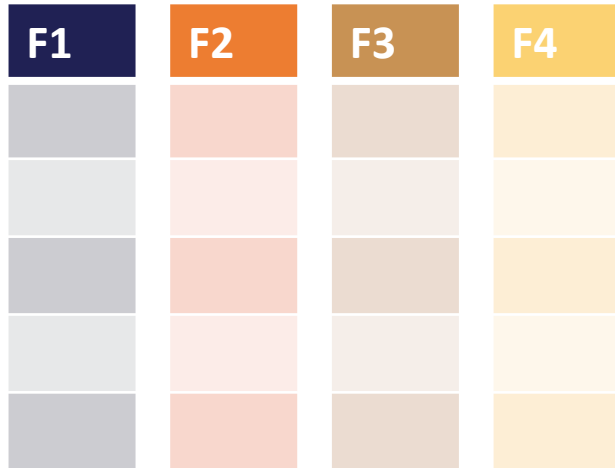
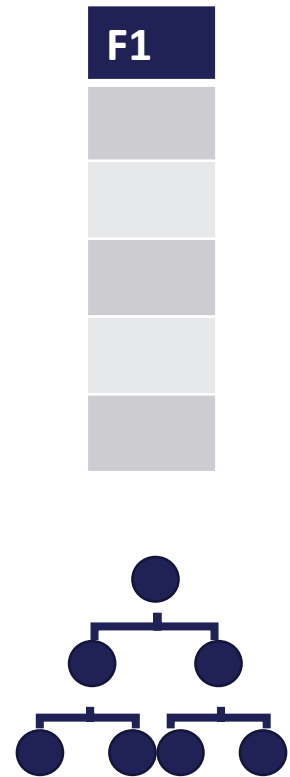


Step Forward Feature Selection

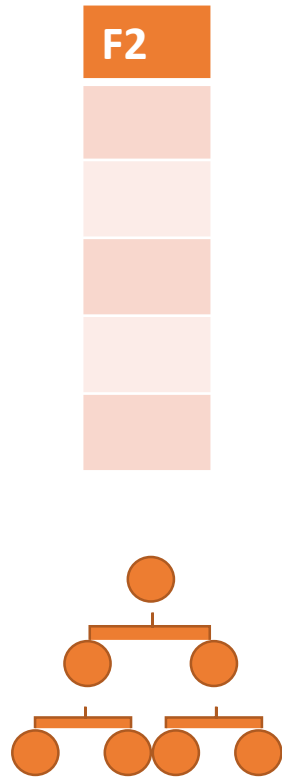
Step Forward Feature Selection



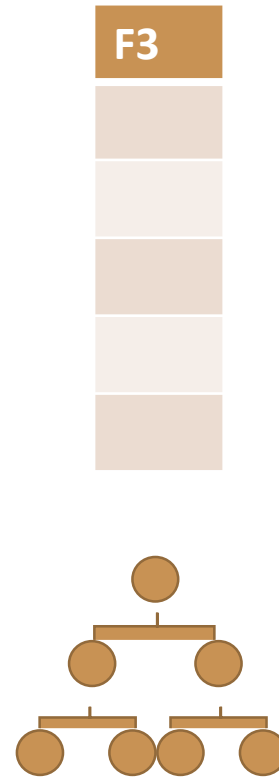
Step Forward Feature Selection



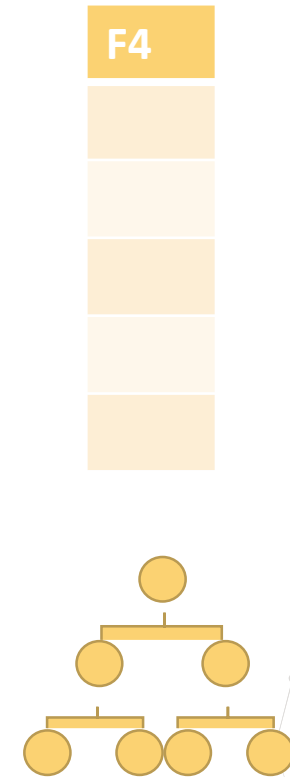
Roc-auc
0.62



Roc-auc
0.72

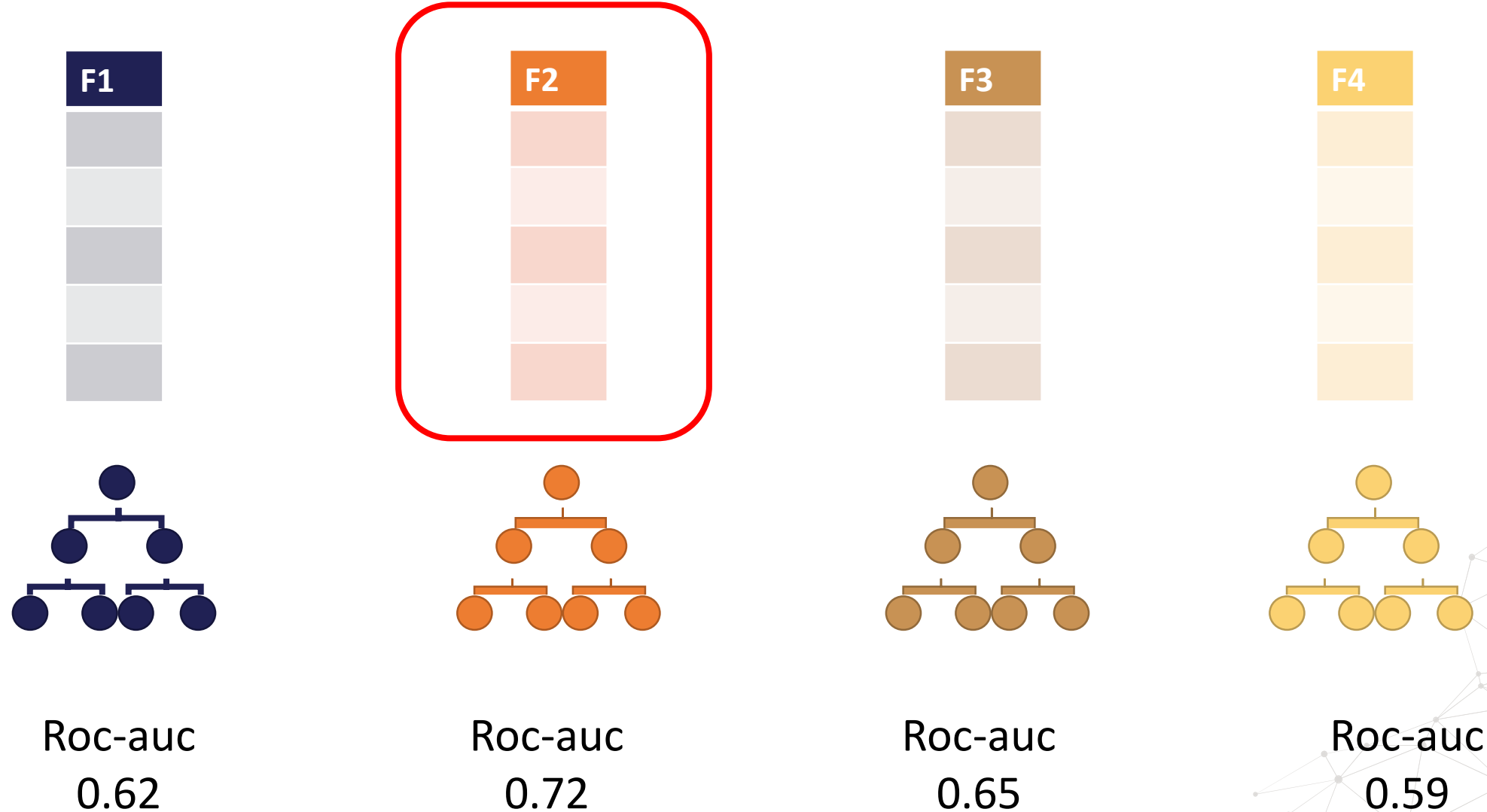


Roc-auc
0.65

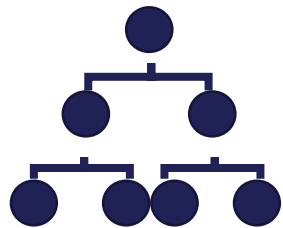
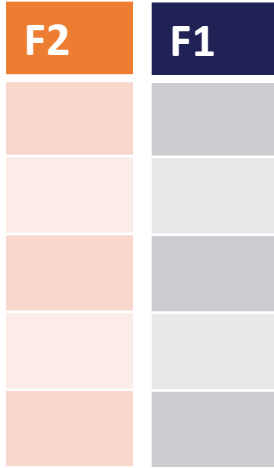


Roc-auc
0.59

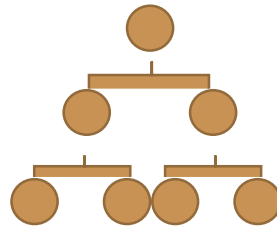
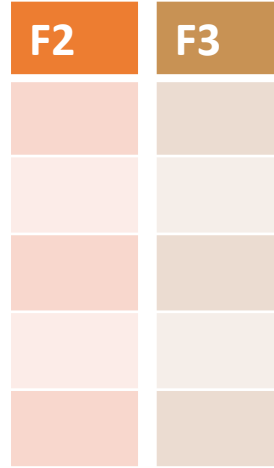
Step Forward Feature Selection



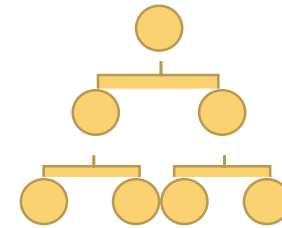
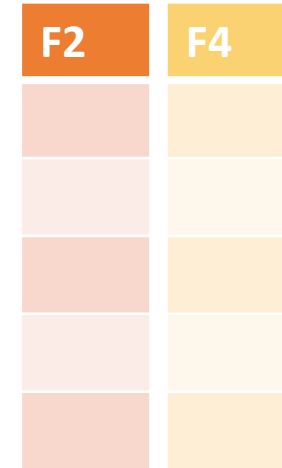
Step Forward Feature Selection



Roc-auc
0.74

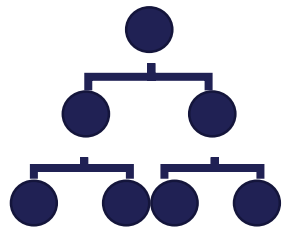
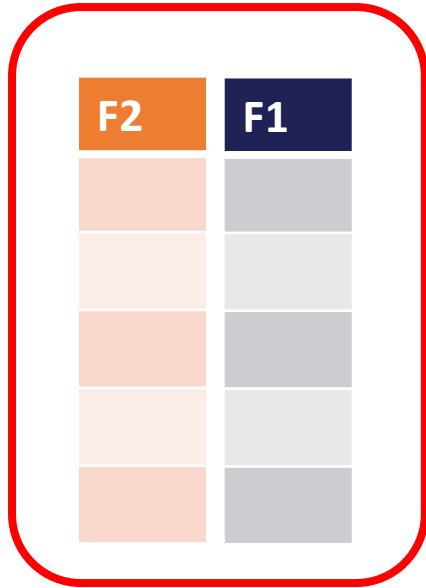


Roc-auc
0.72

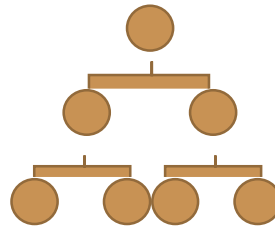
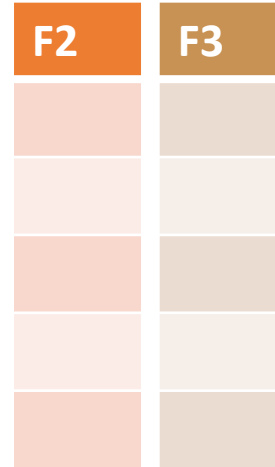


Roc-auc
0.72

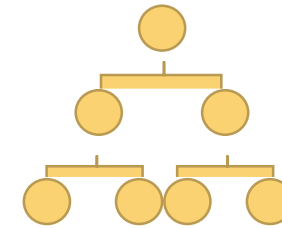
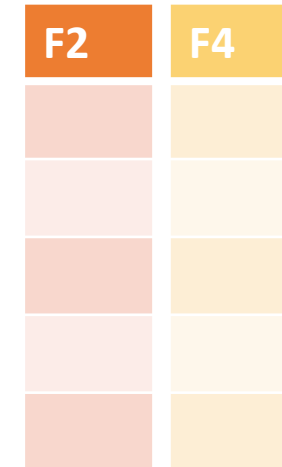
Step Forward Feature Selection



Roc-auc
0.74



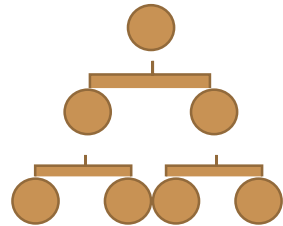
Roc-auc
0.72



Roc-auc
0.72

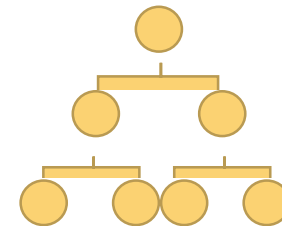
Step Forward Feature Selection

F2	F1	F3



Roc-auc
0.75

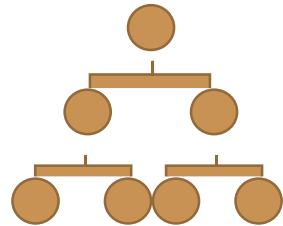
F2	F1	F4



Roc-auc
0.76

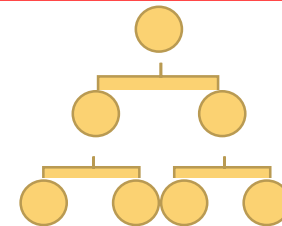
Step Forward Feature Selection

F2	F1	F3



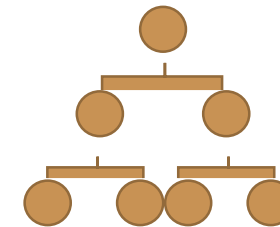
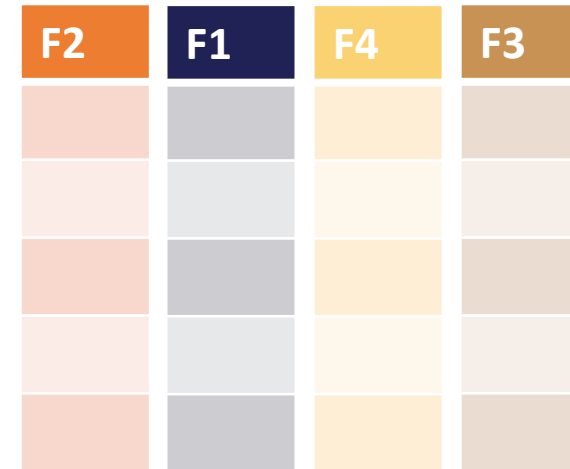
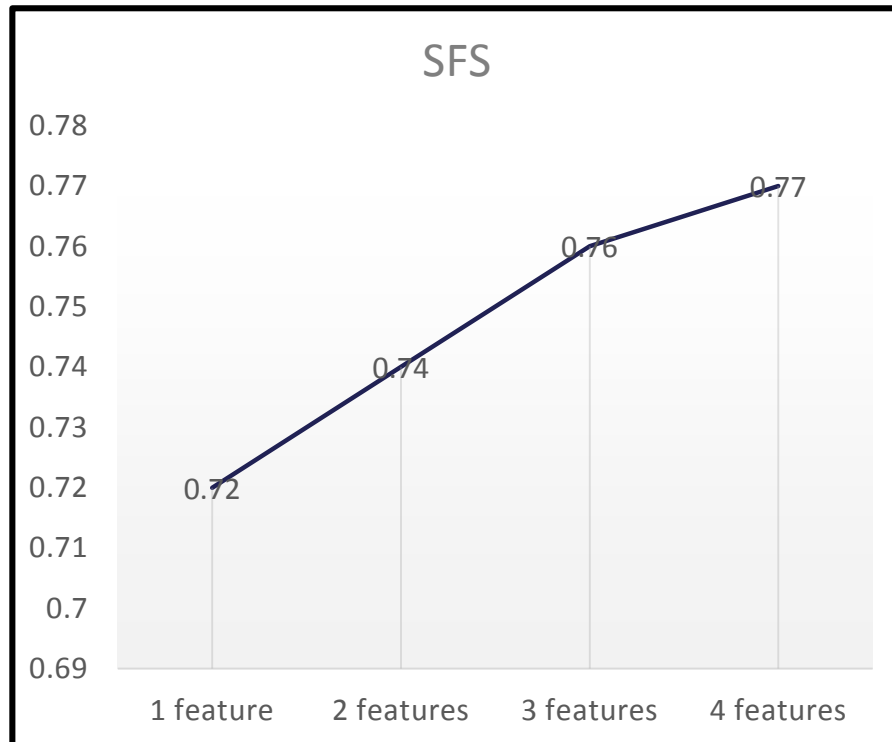
Roc-auc
0.75

F2	F1	F4



Roc-auc
0.76

Step Forward Feature Selection



Roc-auc
0.77

When to stop the search

- **Ideal:** When performance does not increase beyond a threshold
 - ✓ Threshold to be defined by the user
- **MLXtend implementation:** when certain number of features is reached
 - ✓ Number of features defined by the user

THANK YOU

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