

1. Feature selection

1.1 TFIDF

cfs + greedy Low level feature selection - without startSet

Full result description:

=== Attribute Selection on all input data ===

Search Method:

Greedy Stepwise (forwards).

Start set: no attributes

Merit of best subset found: 0.013

Attribute Subset Evaluator (supervised, Class (nominal): 5191 primary_emotion):

CFS Subset Evaluator

Including locally predictive attributes

Selected attributes:

390,770,834,1061,1499,1905,1918,2292,2833,3441,3527,4245,4469,4498,4776 : **15**

fear
glad
joy
burnt
love
sat
wretch
kill
learn
ran
miser
broom
afraid
said
ill

cfs + greedy Low level feature selection - with startSet

Computed start set !

4498,2563,76,834,3441,639,770,1918,1575,4469,1905,2292,1903,2508,390,4776,2439,1
894,1098,3527,309,2833,1499,1315,1061,5111,4415,1527,446,4663,4249,2334,4245

Full result description:

=== Attribute Selection on all input data ===

Search Method:

Greedy Stepwise (forwards).

Start set:

4498,2563,76,834,3441,639,770,1918,1575,4469,1905,2292,1903,2508,390,4776,2439,1
894,1098,3527,309,2833,1499,1315,1061,5111,4415,1527,446,4663,4249,2334,4245

Merit of best subset found: 0.016

Attribute Subset Evaluator (supervised, Class (nominal): 5191 primary_emotion):

CFS Subset Evaluator

Including locally predictive attributes

Selected attributes:

76,309,390,446,639,770,834,1061,1098,1315,1499,1527,1575,1894,1903,1905,1918,229

2,2334,2439,2508,2563,2833,3441,3527,4245,4249,4415,4469,4498,4663,4776,5111 :
33

wept
splendid
fear
flea
shall
glad
joy
burnt
dear
grief
love
wood
heart
sad
saw
sat
wretch
kill
dark
fell
rage
poor
learn
ran
miser
broom
shudder
punish
afraid
said
sorrow
ill
pin

cfs + bestFirst Low level feature selection - without startSet

Full result description:

=== Attribute Selection on all input data ===

Search Method:

Best first.
Start set: no attributes
Search direction: forward
Stale search after 5 node expansions
Total number of subsets evaluated: 155267
Merit of best subset found: 0.017

Attribute Subset Evaluator (supervised, Class (nominal): 5191 primary_emotion):
CFS Subset Evaluator
Including locally predictive attributes

Selected attributes:

76,309,390,639,770,834,1061,1315,1499,1575,1894,1905,1918,2292,2439,2508,2563,28
33,3441,3527,4245,4415,4469,4498,4776,5111 : 26

wept
splendid
fear
shall
glad
joy

burnt
grief
love
heart
sad
sat
wretch
kill
fell
rage
poor
learn
ran
miser
broom
punish
afraid
said
ill
pin

cfs + bestFirst Low level feature selection - with startSet

Computed start set !

4498,2563,76,834,3441,639,770,1918,1575,4469,1905,2292,1903,2508,390,4776,2439,1
894,1098,3527,309,2833,1499,1315,1061,5111,4415,1527,446,4663,4249,2334,4245

Full result description:

=== Attribute Selection on all input data ===

Search Method:

Best first.

Start set:

4498,2563,76,834,3441,639,770,1918,1575,4469,1905,2292,1903,2508,390,4776,2439,1
894,1098,3527,309,2833,1499,1315,1061,5111,4415,1527,446,4663,4249,2334,4245

Search direction: forward

Stale search after 5 node expansions

Total number of subsets evaluated: 25782

Merit of best subset found: 0.016

Attribute Subset Evaluator (supervised, Class (nominal): 5191 primary_emotion):

CFS Subset Evaluator

Including locally predictive attributes

Selected attributes:

76,309,390,446,639,770,834,1061,1098,1315,1499,1527,1575,1894,1903,1905,1918,229
2,2334,2439,2508,2563,2833,3441,3527,4245,4249,4415,4469,4498,4663,4776,5111 :
33

wept
splendid
fear
flea
shall
glad
joy
burnt
dear
grief
love
wood
heart
sad
saw

sat
wretch
kill
dark
fell
rage
poor
learn
ran
miser
broom
shudder
punish
afraid
said
sorrow
ill
pin

1.2 LDA

cfs + greedy Low level feature selection - without startSet

Full result description:

=== Attribute Selection on all input data ===

Search Method:

Greedy Stepwise (forwards).
Start set: no attributes
Merit of best subset found: 0.009

Attribute Subset Evaluator (supervised, Class (nominal): 5191 primary_emotion):
CFS Subset Evaluator
Including locally predictive attributes

Selected attributes: 2,14,31,68,115,129,139,145 : 8
nurseri
trodden
jeer
huddl
abid
aquat
china
shift

cfs + greedy Low level feature selection - with startSet

Computed start set !
139,31,115,14,145,129,2,68
Full result description:

=== Attribute Selection on all input data ===

Search Method:

Greedy Stepwise (forwards).
Start set: 139,31,115,14,145,129,2,68
Merit of best subset found: 0.009

Attribute Subset Evaluator (supervised, Class (nominal): 5191 primary_emotion):
CFS Subset Evaluator

Including locally predictive attributes

Selected attributes: 2,14,31,68,115,129,139,145 : 8
nurseri
trodden
jeer
huddl
abid
aquat
china
shift

cfs + bestFirst Low level feature selection - without startSet

Full result description:

=== Attribute Selection on all input data ===

Search Method:

Best first.
Start set: no attributes
Search direction: forward
Stale search after 5 node expansions
Total number of subsets evaluated: 67406
Merit of best subset found: 0.009

Attribute Subset Evaluator (supervised, Class (nominal): 5191 primary_emotion):
CFS Subset Evaluator
Including locally predictive attributes

Selected attributes: 2,14,31,68,115,129,139,145 : 8
nurseri
trodden
jeer
huddl
abid
aquat
china
shift

cfs + bestFirst Low level feature selection - with startSet

Computed start set !
139,31,115,14,145,129,2,68
Full result description:

=== Attribute Selection on all input data ===

Search Method:

Best first.
Start set: 139,31,115,14,145,129,2,68
Search direction: forward
Stale search after 5 node expansions
Total number of subsets evaluated: 25907
Merit of best subset found: 0.009

Attribute Subset Evaluator (supervised, Class (nominal): 5191 primary_emotion):
CFS Subset Evaluator
Including locally predictive attributes

Selected attributes: 2,14,31,68,115,129,139,145 : 8

nurseri
trodden
jeer
huddl
abid
aquat
china
shift