

```

# common config:
knn_k = 7
samples_per_class = 300
testfrac = .2 # 0-1 | test set fraction of main set
PCr = 5, 10, 30, 40, 60, 100
Img-Res = 20, 30, 48

-----//>> ----- 20x20 pxl images
01
Experiment: CL4_C__Res20_PCr100
training data (weighted): 100.000%
training data (simple): 96.771%
test data (weighted): 95.833%
test data (simple): 95.833%

-----//>>
02
Experiment: CL4_C__Res20_PCr60
training data (weighted): 100.000%
training data (simple): 96.667%
test data (weighted): 95.833%
test data (simple): 94.583%

-----//>>
03
Experiment tag: CL4_C__Res20_PCr40
data (weighted): 100.000%
data (simple): 96.146%
data (weighted): 97.083%
data (simple): 96.250%

-----//>>
04
Experiment tag: CL4_C__Res20_PCr30
training data (weighted): 100.000%
training data (simple): 96.562%
test data (weighted): 91.667%
test data (simple): 90.833%

-----//>>
05
Experiment tag: CL4_C__Res20_PCr10
training data (weighted): 100.000%
training data (simple): 92.500%
test data (weighted): 87.500%
test data (simple): 86.250%

-----//>>
06
Experiment tag: CL4_C__Res20_PCr5
training data (weighted): 100.000%
training data (simple): 88.646%
test data (weighted): 77.083%
test data (simple): 76.250%

-----//>> ----- 30x30 pxl images

-----//>>
07
Experiment tag: CL4_C__Res30_PCr5

```

training data (weighted): 100.000%  
training data (simple): 93.333%  
test data (weighted): 90.417%  
test data (simple): 90.833%

-----//>>

08

Experiment tag: CL4\_C\_\_Res30\_PCr10  
training data (weighted): 100.000%  
training data (simple): 93.438%  
test data (weighted): 90.417%  
test data (simple): 89.583%

-----//>> ----- 1 repeat (experiment results variance study case)

09

Experiment tag: CL4\_C\_\_Res30\_PCr30  
training data (weighted): 100.000%  
training data (simple): 94.583%  
test data (weighted): 88.333%  
test data (simple): 87.917%

-----//>> ----- 2 repeat (experiment results variance study case)

10

Experiment tag: CL4\_C\_\_Res30\_PCr30  
training data (weighted): 100.000%  
training data (simple): 95.208%  
test data (weighted): 94.167%  
test data (simple): 95.000%

-----//>> ----- 3 repeat (experiment results variance study case)

11

Experiment tag: CL4\_C\_\_Res30\_PCr30  
training data (weighted): 100.000%  
training data (simple): 96.042%  
test data (weighted): 93.333%  
test data (simple): 93.333%

-----//>> ----- 4 repeat (experiment results variance study case)

12

Experiment tag: CL4\_C\_\_Res30\_PCr30  
training data (weighted): 100.000%  
training data (simple): 95.312%  
test data (weighted): 91.667%  
test data (simple): 90.417%

-----//>> ----- 5 repeat (experiment results variance study case)

13

Experiment tag: CL4\_C\_\_Res30\_PCr30  
training data (weighted): 100.000%  
training data (simple): 95.833%  
test data (weighted): 90.833%  
test data (simple): 91.250%

-----//>> ----- 6 repeat (experiment results variance study case)

14

Experiment tag: CL4\_C\_\_Res30\_PCr30  
training data (weighted): 100.000%  
training data (simple): 95.938%  
test data (weighted): 85.833%

test data (simple): 87.083%

-----//>> ----- 7 repeat (experiment results variance study case)  
15

Experiment tag: CL4\_C\_\_Res30\_PCr30  
training data (weighted): 100.000%  
training data (simple): 95.729%  
test data (weighted): 92.500%  
test data (simple): 92.917%

-----//>> ----- 8 repeat (experiment results variance study case)  
16

Experiment tag: CL4\_C\_\_Res30\_PCr30  
training data (weighted): 100.000%  
training data (simple): 95.521%  
test data (weighted): 94.167%  
test data (simple): 93.750%

-----//>> ----- 9 repeat (experiment results variance study case)  
17

Experiment tag: CL4\_C\_\_Res30\_PCr30  
training data (weighted): 100.000%  
training data (simple): 96.771%  
test data (weighted): 91.250%  
test data (simple): 92.500%

-----//>> ----- 10 repeat (experiment results variance study case)  
18

Experiment tag: CL4\_C\_\_Res30\_PCr30  
training data (weighted): 100.000%  
training data (simple): 95.938%  
test data (weighted): 90.417%  
test data (simple): 88.750%

-----//>>

19

Experiment tag: CL4\_C\_\_Res30\_PCr40  
training data (weighted): 100.000%  
training data (simple): 96.458%  
test data (weighted): 89.583%  
test data (simple): 89.167%

-----//>>

20

Experiment tag: CL4\_C\_\_Res30\_PCr60  
training data (weighted): 100.000%  
training data (simple): 95.104%  
test data (weighted): 92.500%  
test data (simple): 90.833%

-----//>>

21

Experiment tag: CL4\_C\_\_Res30\_PCr100  
training data (weighted): 100.000%  
training data (simple): 97.604%  
test data (weighted): 92.917%  
test data (simple): 93.333%

-----//>> ----- 48x48 pxl images

-----//>>  
22  
Experiment tag: CL4\_C\_\_Res48\_PCr5  
training data (weighted): 100.000%  
training data (simple): 93.229%  
test data (weighted): 90.417%  
test data (simple): 89.583%

-----//>>  
23  
Experiment tag: CL4\_C\_\_Res48\_PCr10  
training data (weighted): 100.000%  
training data (simple): 89.375%  
test data (weighted): 87.500%  
test data (simple): 85.417%

-----//>> repeat  
24  
Experiment tag: CL4\_C\_\_Res48\_PCr10  
training data (weighted): 100.000%  
training data (simple): 94.688%  
test data (weighted): 88.750%  
test data (simple): 85.417%

-----//>> repeat  
25  
Experiment tag: CL4\_C\_\_Res48\_PCr10  
training data (weighted): 100.000%  
training data (simple): 89.792%  
test data (weighted): 87.500%  
test data (simple): 86.250%

-----//>>  
26  
Experiment tag: CL4\_C\_\_Res48\_PCr30  
training data (weighted): 100.000%  
training data (simple): 93.333%  
test data (weighted): 89.583%  
test data (simple): 88.750%

-----//>>  
27  
Experiment tag: CL4\_C\_\_Res48\_PCr40  
training data (weighted): 100.000%  
training data (simple): 93.229%  
test data (weighted): 87.083%  
test data (simple): 87.083%

-----//>> repeat  
28  
Experiment tag: CL4\_C\_\_Res48\_PCr40  
training data (weighted): 100.000%  
training data (simple): 91.979%  
test data (weighted): 85.417%  
test data (simple): 85.417%

-----//>>  
29  
Experiment tag: CL4\_C\_\_Res48\_PCr60  
training data (weighted): 100.000%

training data (simple): 92.188%  
test data (weighted): 86.250%  
test data (simple): 86.250%

-----//>>

30

Experiment tag: CL4\_C\_\_Res48\_PCr100  
training data (weighted): 100.000%  
training data (simple): 94.062%  
test data (weighted): 93.333%  
test data (simple): 93.750%