n = 50, p = 50, proportion relevent = 0.5

```
agg:  0.3094737
hen:  0.3021053
plr:  0.3526316
svm:  0.3336842
lda:  0.3389474
qda:  0.3547368
```

	Incl_Orig	Split_Prop	Qlev_Choice	Num_QPart	Std_dist	Class_Error
1	no	n/a	dist	1	n/a	0.3536842
2	no	n/a	dist	1	norm	0.4715789
3	no	n/a	dist	10	n/a	0.3484211
4	no	n/a	dist	10	norm	0.4936842
5	no	n/a	pred	1	n/a	0.3547368
6	no	n/a	pred	1	norm	0.3705263
7	no	n/a	pred	10	n/a	0.3652632
8	no	n/a	pred	10	norm	0.3694737
9	no	0.5	dist	1	n/a	0.3010526
10	no	0.5	dist	1	norm	0.5000000
11	no	0.5	dist	10	n/a	0.3347368
12	no	0.5	dist	10	norm	0.4926316
13	no	0.5	pred	1	n/a	0.3010526
14	no	0.5	pred	1	norm	0.3642105
15	no	0.5	pred	10	n/a	0.3031579
16	no	0.5	pred	10	norm	0.3105263
17	yes	n/a	dist	1	n/a	0.3905263
18	yes	n/a	dist	1	norm	0.3884211
19	yes	n/a	dist	10	n/a	0.4073684
20	yes	n/a	dist	10	norm	0.3747368
21	yes	n/a	pred	1	n/a	0.3600000
22	yes	n/a	pred	1	norm	0.3800000
23	yes	n/a	pred	10	n/a	0.3515789
24	yes	n/a	pred	10	norm	0.3473684
25	yes	0.5	dist	1	n/a	0.3105263
26	yes	0.5	dist	1	norm	0.3105263
27	yes	0.5	dist	10	n/a	0.3063158
28	yes	0.5	dist	10	norm	0.3031579
29	yes	0.5	pred	1	n/a	0.3221053
30	yes	0.5	pred	1	norm	0.3178947
31	yes	0.5	pred	10	n/a	0.3252632
32	yes	0.5	pred	10	norm	0.3000000

```
Incl_Orig              no:  0.3772              yes:  0.3435
Split_Prop            n/a:  0.383              0.5:  0.3377
Qlev_Choice          dist:  0.3805            pred:  0.3402
Num_QPart               1:  0.3623             10:  0.3584
Std_dist              n/a:  0.3397            norm:  0.3809
```

---

n = 50, p = 100, proportion relevant = 100

```
agg:  0.1626316
hen:  0.1569474
plr:  0.2092632
svm:  0.1710526
lda:  0.2589474
qda:  NA
```

	Incl_Orig	Split_Prop	Qlev_Choice	Num_QPart	Std_dist	Class_Error
1	no	n/a	dist	1	n/a	0.2208421
2	no	n/a	dist	1	norm	0.3620000
3	no	n/a	dist	10	n/a	0.2140000
4	no	n/a	dist	10	norm	0.3676842
5	no	n/a	pred	1	n/a	0.1841053
6	no	n/a	pred	1	norm	0.2257895
7	no	n/a	pred	10	n/a	0.1878947
8	no	n/a	pred	10	norm	0.2322105
9	no	0.5	dist	1	n/a	0.1764211
10	no	0.5	dist	1	norm	0.4841053
11	no	0.5	dist	10	n/a	0.1863158
12	no	0.5	dist	10	norm	0.4549474
13	no	0.5	pred	1	n/a	0.1738947
14	no	0.5	pred	1	norm	0.2985263
15	no	0.5	pred	10	n/a	0.1756842
16	no	0.5	pred	10	norm	0.2768421
17	yes	n/a	dist	1	n/a	0.2156842
18	yes	n/a	dist	1	norm	0.3283158
19	yes	n/a	dist	10	n/a	0.2186316

20	yes	n/a	dist	10	norm	0.3285263
21	yes	n/a	pred	1	n/a	0.1857895
22	yes	n/a	pred	1	norm	0.2232632
23	yes	n/a	pred	10	n/a	0.1913684
24	yes	n/a	pred	10	norm	0.2106316
25	yes	0.5	dist	1	n/a	0.1906316
26	yes	0.5	dist	1	norm	0.4070526
27	yes	0.5	dist	10	n/a	0.1852632
28	yes	0.5	dist	10	norm	0.3908421
29	yes	0.5	pred	1	n/a	0.1752632
30	yes	0.5	pred	1	norm	0.2054737
31	yes	0.5	pred	10	n/a	0.1844211
32	yes	0.5	pred	10	norm	0.2135789

```
Incl_Orig         no:  0.2638        yes:  0.2409
Split_Prop       n/a:  0.2435        0.5:  0.2612
Qlev_Choice     dist:  0.2957       pred:  0.209
Num_QPart          1:  0.2536         10:  0.2512
Std_dist         n/a:  0.1916       norm:  0.3131
```

---

n = 50, p = 500, proportion relevant = 0.5

```
agg:  0.02589474
hen:  0.06515789
plr:  0.09726316
svm:  0.04073684
lda:  0.03378947
qda:  NA
```

	Incl_Orig	Split_Prop	Qlev_Choice	Num_QPart	Std_dist	Class_Error
1	no	n/a	dist	1	n/a	0.10126316
2	no	n/a	dist	1	norm	0.37200000
3	no	n/a	dist	10	n/a	0.10968421
4	no	n/a	dist	10	norm	0.35926316
5	no	n/a	pred	1	n/a	0.08915789

6	no	n/a	pred	1	norm	0.14715789
7	no	n/a	pred	10	n/a	0.07800000
8	no	n/a	pred	10	norm	0.14747368
9	no	0.5	dist	1	n/a	0.05926316
10	no	0.5	dist	1	norm	0.50021053
11	no	0.5	dist	10	n/a	0.06221053
12	no	0.5	dist	10	norm	0.50031579
13	no	0.5	pred	1	n/a	0.05115789
14	no	0.5	pred	1	norm	0.32547368
15	no	0.5	pred	10	n/a	0.05157895
16	no	0.5	pred	10	norm	0.28431579
17	yes	n/a	dist	1	n/a	0.12200000
18	yes	n/a	dist	1	norm	0.32105263
19	yes	n/a	dist	10	n/a	0.11673684
20	yes	n/a	dist	10	norm	0.32936842
21	yes	n/a	pred	1	n/a	0.08421053
22	yes	n/a	pred	1	norm	0.14768421
23	yes	n/a	pred	10	n/a	0.08400000
24	yes	n/a	pred	10	norm	0.13863158
25	yes	0.5	dist	1	n/a	0.05115789
26	yes	0.5	dist	1	norm	0.48757895
27	yes	0.5	dist	10	n/a	0.05389474
28	yes	0.5	dist	10	norm	0.49821053
29	yes	0.5	pred	1	n/a	0.05010526
30	yes	0.5	pred	1	norm	0.18589474
31	yes	0.5	pred	10	n/a	0.04705263
32	yes	0.5	pred	10	norm	0.20652632

Incl_Orig	no:	0.2024	yes:	0.1828	
Split_Prop	n/a:	0.1717	0.5:	0.2134	
Qlev_Choice	dist:	0.2528	pred:	0.1324	
Num_QPart	1:	0.1935	10:	0.1917	
Std_dist	n/a:	0.0757	norm:	0.3094	