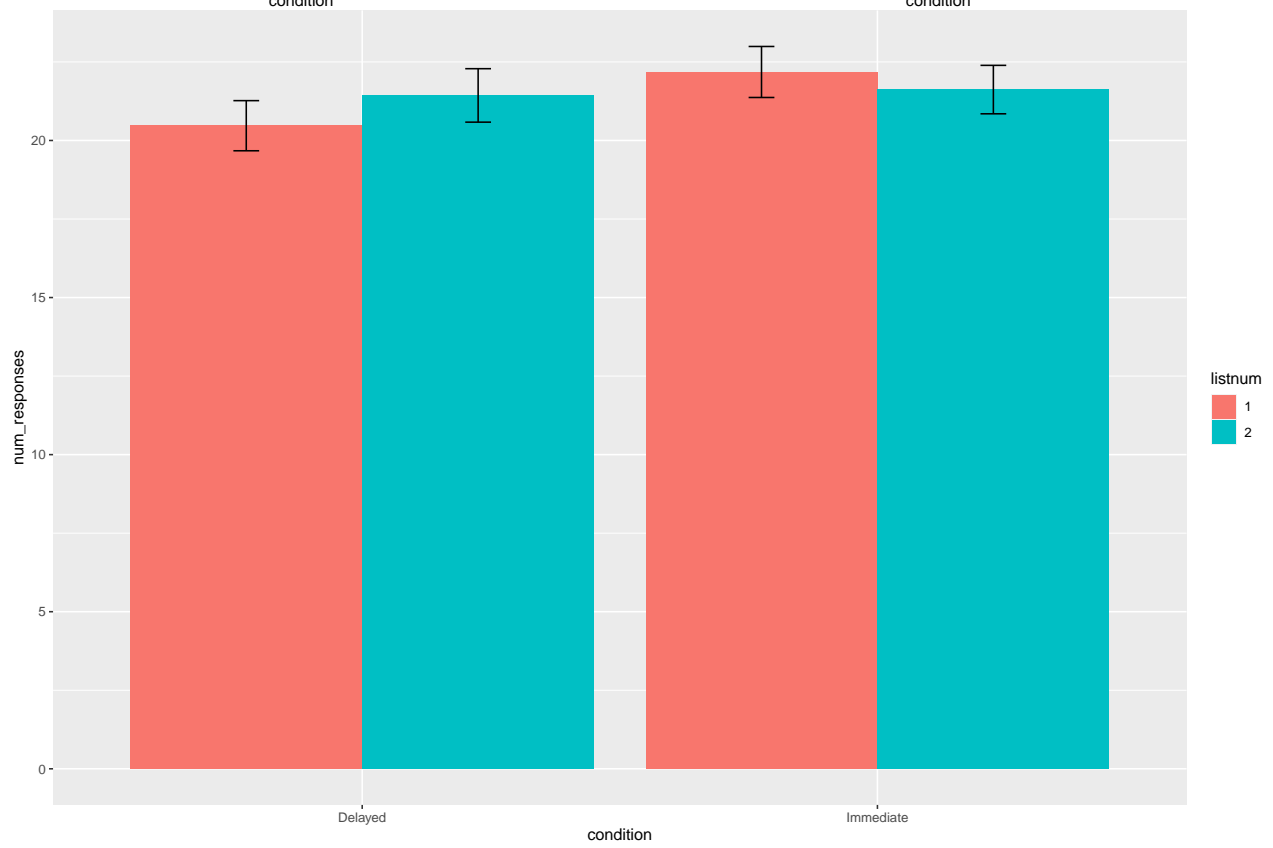
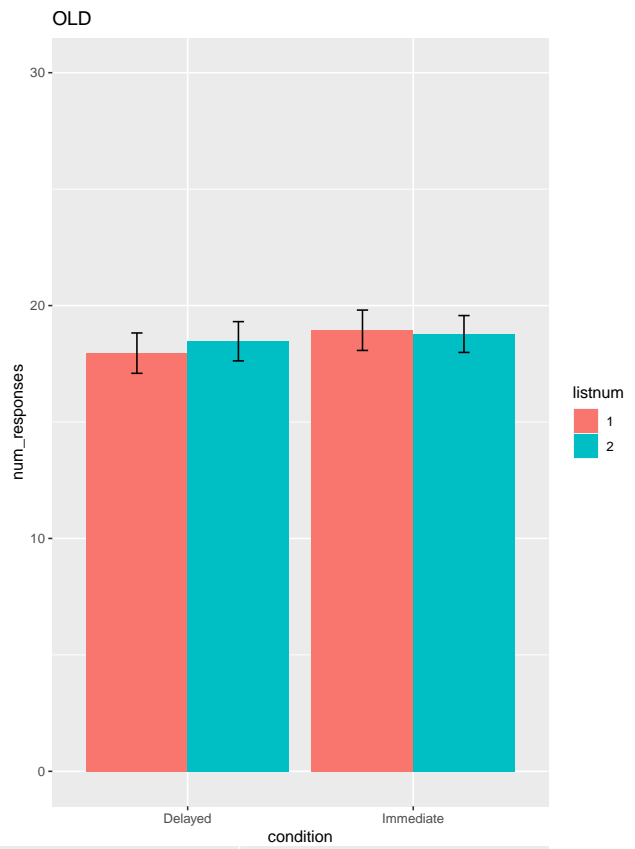
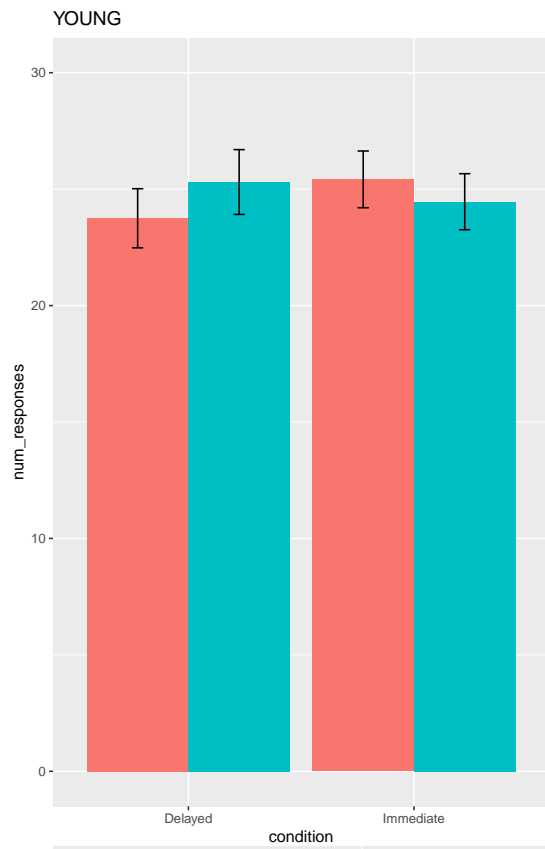


Repeated Fluency

DV: Number of response

age_group	condition	listnum	num_responses
old	Immediate	1	18.94000
old	Immediate	2	18.78000
old	Delayed	1	17.95745
old	Delayed	2	18.46809
young	Delayed	1	23.75000
young	Delayed	2	25.30556
young	Immediate	1	25.42000
young	Immediate	2	24.46000

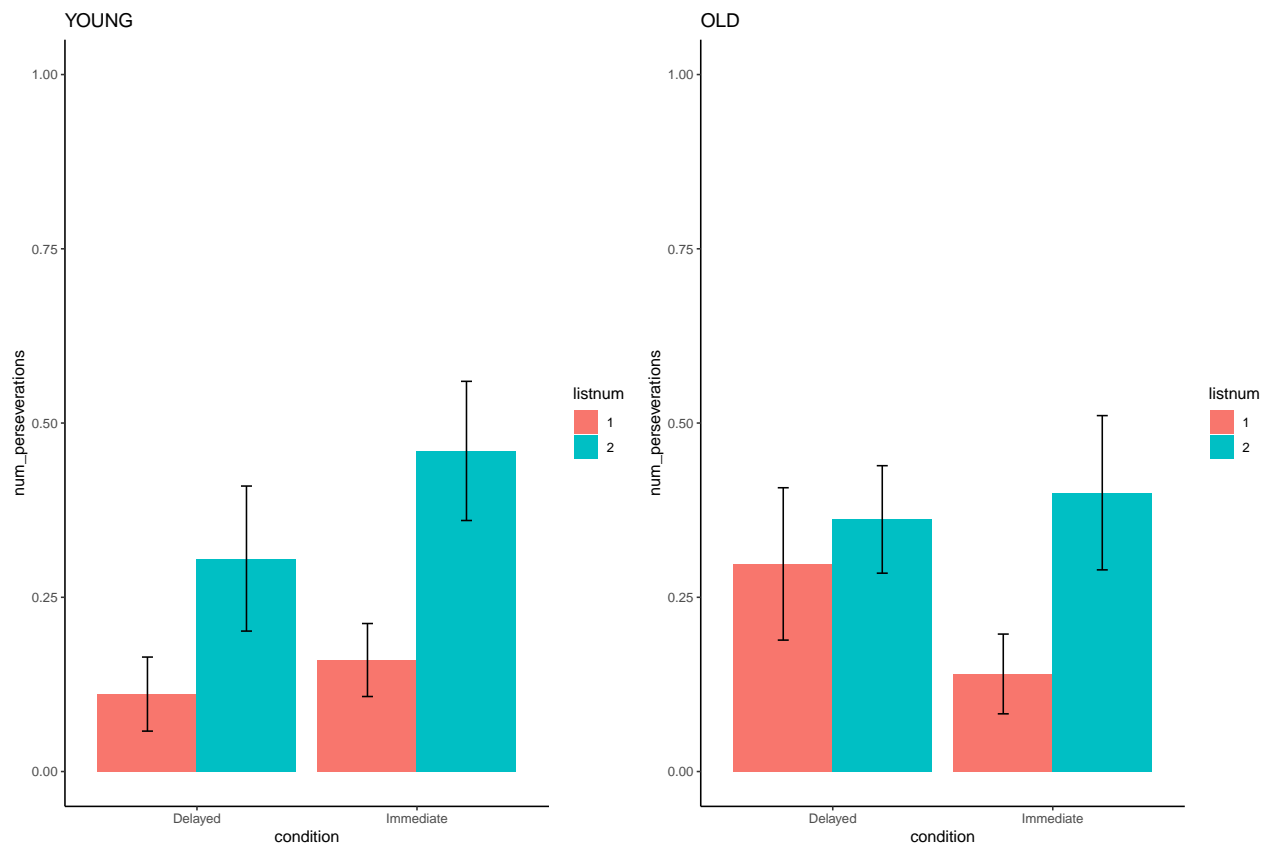
```
## $ANOVA
##           Effect DFn DFd           F           p p<.05
## 2           age_group      1 179 38.75404163 3.323859e-09 *
## 3           condition      1 179  0.29202903 5.895950e-01
## 5           listnum        1 179  0.13196855 7.168283e-01
## 4    age_group:condition      1 179  0.01384095 9.064788e-01
## 6    age_group:listnum        1 179  0.00156413 9.684967e-01
## 7    condition:listnum        1 179  4.40751930 3.718300e-02 *
## 8 age_group:condition:listnum      1 179  1.60249831 2.071946e-01
##           ges
## 2 1.604233e-01
## 3 1.437776e-03
## 5 8.657756e-05
## 4 6.823796e-05
## 6 1.026230e-06
## 7 2.883451e-03
## 8 1.050301e-03
```



DV: Number of perseverations

age_group	condition	listnum	num_perseverations
old	Immediate	1	0.1400000
old	Immediate	2	0.4000000
old	Delayed	1	0.2978723
old	Delayed	2	0.3617021
young	Delayed	1	0.1111111
young	Delayed	2	0.3055556
young	Immediate	1	0.1600000
young	Immediate	2	0.4600000

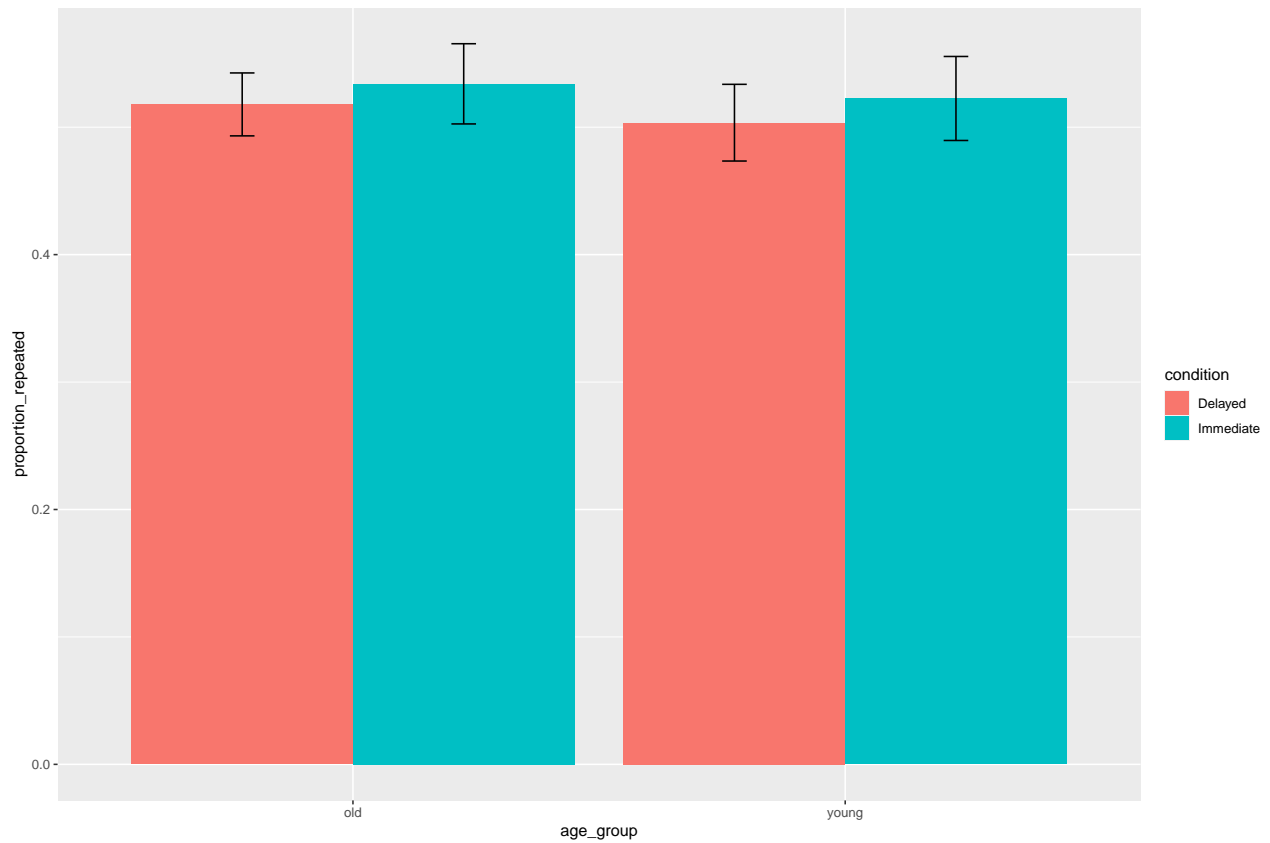
```
## $ANOVA
##           Effect DFn DFd           F      p p<.05
## 2          age_group    1 179  0.24991867 0.6177463379
## 3          condition    1 179  0.05323462 0.8177909519
## 5           listnum     1 179 12.54747968 0.0005059527      *
## 4    age_group:condition  1 179  1.52420041 0.2186031940
## 6    age_group:listnum   1 179  0.47001731 0.4938661347
## 7    condition:listnum   1 179  1.70674243 0.1930846978
## 8 age_group:condition:listnum 1 179  0.14661623 0.7022445256
##           ges
## 2 0.0007671187
## 3 0.0001635009
## 5 0.0305887369
## 4 0.0046602643
## 6 0.0011805865
## 7 0.0042737089
## 8 0.0003685691
```



DV: Proportion of repetitions

age_group	condition	proportion_repeated
old	Immediate	0.5340342
old	Delayed	0.5178888
young	Delayed	0.5035447
young	Immediate	0.5225437

```
## $ANOVA
##           Effect DFn DFd           F           p p<.05           ges
## 1          age_group    1 179 0.175583862 0.6756986 9.799542e-04
## 2          condition    1 179 0.326775875 0.5682809 1.822237e-03
## 3 age_group:condition    1 179 0.002168499 0.9629101 1.211437e-05
##
## $`Levene's Test for Homogeneity of Variance`
##   DFn DFd      SSn      SSd      F           p p<.05
## 1    3 179 0.06003457 3.606136 0.9933242 0.3972614
```



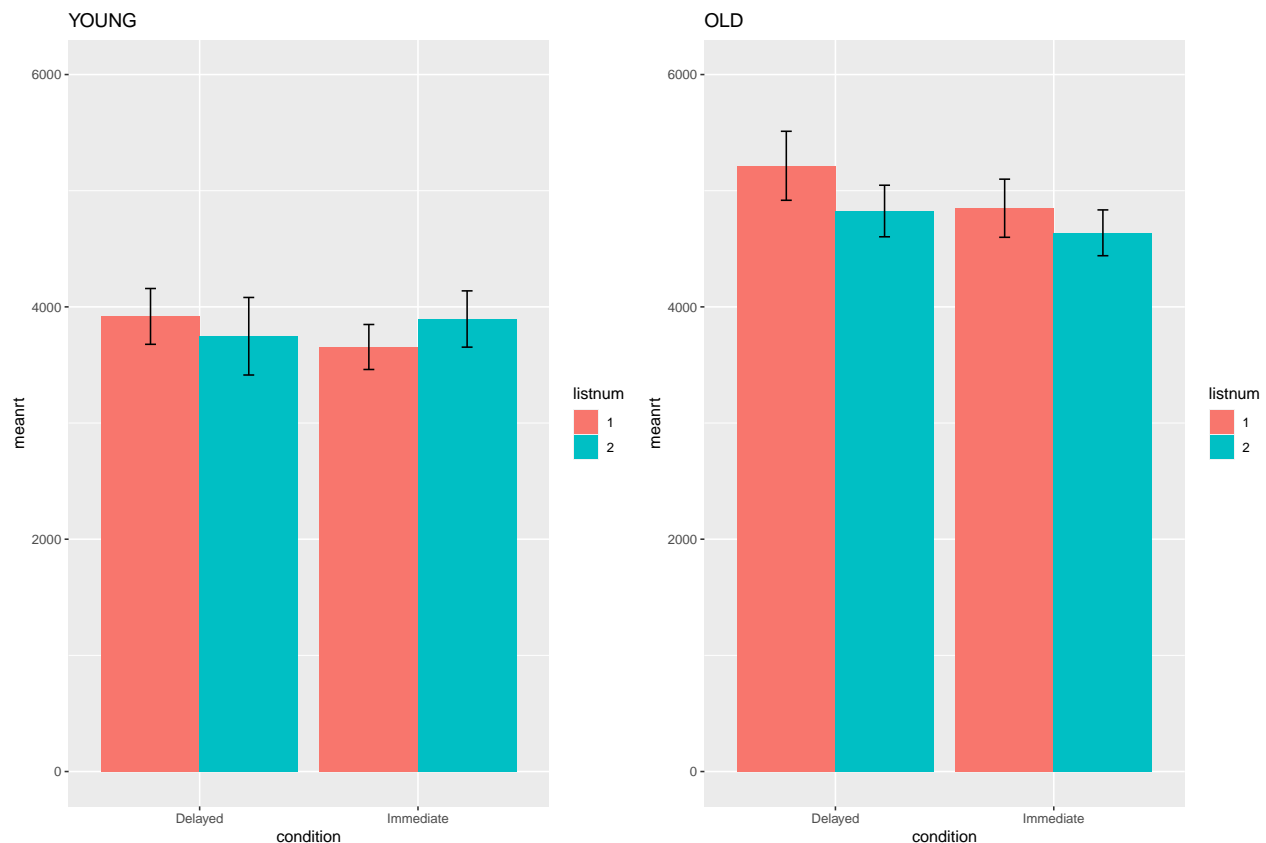
DV: RT and log(RT) (in that order)

condition	age_group	listnum	meanRT
Immediate	old	1	4849.278
Immediate	old	2	4637.640
Delayed	old	1	5214.610
Delayed	old	2	4825.293
Delayed	young	1	3917.995
Delayed	young	2	3747.305
Immediate	young	1	3654.671
Immediate	young	2	3895.583

condition	age_group	listnum	meanLogRT
Immediate	old	1	8.255991
Immediate	old	2	8.228954
Delayed	old	1	8.321415
Delayed	old	2	8.287781
Delayed	young	1	7.993102
Delayed	young	2	7.919430
Immediate	young	1	7.927304
Immediate	young	2	7.942428

```
## $ANOVA
##               Effect DFn DFd               F               p p<.05
## 2             age_group    1 179 22.5506857 4.179735e-06      *
## 3             condition    1 179  0.6039116 4.381152e-01
## 5             listnum     1 179  1.4773692 2.257873e-01
## 4    age_group:condition    1 179  0.2351166 6.283485e-01
## 6    age_group:listnum     1 179  2.8057999 9.567008e-02
## 7    condition:listnum     1 179  1.8925515 1.706334e-01
## 8 age_group:condition:listnum 1 179  0.3146080 5.755676e-01
##               ges
## 2 0.0940719982
## 3 0.0027731558
## 5 0.0014484287
## 4 0.0010814844
## 6 0.0027472584
## 7 0.0018547229
## 8 0.0003087971

## $ANOVA
##               Effect DFn DFd               F               p p<.05
## 2             age_group    1 179 48.74459704 5.495442e-11      *
## 3             condition    1 179  0.85413750 3.566287e-01
## 5             listnum     1 179  3.13267874 7.844000e-02
## 4    age_group:condition    1 179  0.18833336 6.648300e-01
## 6    age_group:listnum     1 179  0.03063189 8.612620e-01
## 7    condition:listnum     1 179  2.21803764 1.381661e-01
## 8 age_group:condition:listnum 1 179  1.86552803 1.737018e-01
##               ges
## 2 1.980287e-01
## 3 4.308196e-03
## 5 1.629011e-03
## 4 9.531381e-04
## 6 1.595449e-05
## 7 1.153941e-03
## 8 9.707249e-04
```



DV: Repetition cluster size, New item cluster size (in that order)

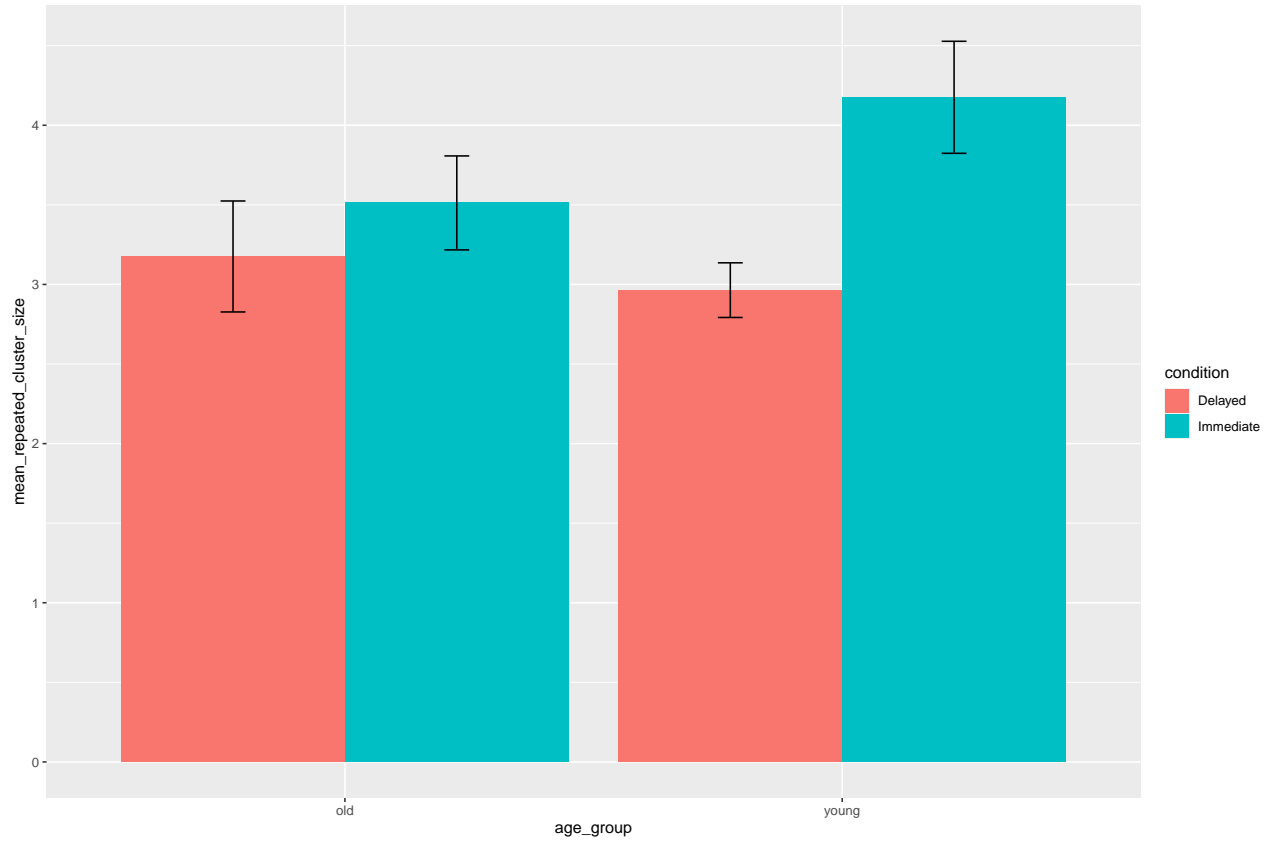
```
## age_group condition mean_repeated_cluster_size
## 1: old Immediate 3.512209
## 2: old Delayed 3.175684
## 3: young Delayed 2.964116
## 4: young Immediate 4.175751

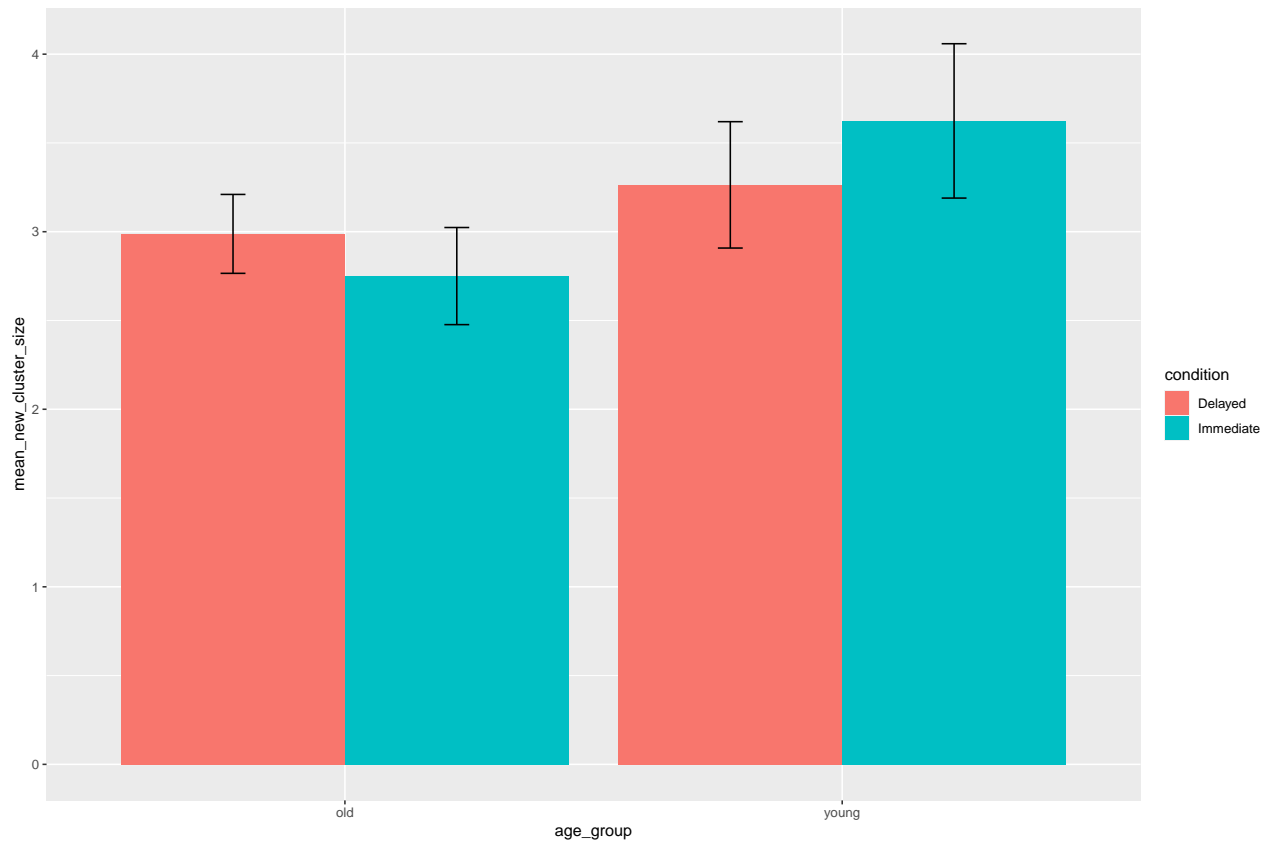
## age_group condition mean_new_cluster_size
## 1: old Immediate 3.602187
## 2: old Delayed 2.987741
## 3: young Delayed 3.339881
## 4: young Immediate 4.514190

## $ANOVA
## Effect DFn DFd F p p<.05 ges
## 1 age_group 1 171 0.6647024 0.41603883 0.003872097
## 2 condition 1 171 5.4328362 0.02092841 * 0.030792659
## 3 age_group:condition 1 171 1.8988599 0.17000650 0.010982489
##
## $`Levene's Test for Homogeneity of Variance`
## DFn DFd SSn SSd F p p<.05
## 1 3 171 15.86043 485.1194 1.86355 0.137613

## $ANOVA
## Effect DFn DFd F p p<.05 ges
## 1 age_group 1 178 1.7980130 0.18166153 0.010000183
```

```
## 2          condition    1 178 3.1559141 0.07736045    0.017420983
## 3 age_group:condition    1 178 0.3212804 0.57155325    0.001801694
##
## $`Levene's Test for Homogeneity of Variance`
##   DFn DFd   SSn   SSd     F      p p<.05
## 1    3 178 52.92917 1548.75 2.027741 0.111693
```





DV: Semantic cluster size

```
##      condition age_group listnum num_cluster_switches avg_cluster_size
## 1: Immediate    old        1          9.440000         1.877179
## 2: Immediate    old        2          8.800000         1.978590
## 3: Delayed      old        1          8.829787         1.861170
## 4: Delayed      old        2          9.021277         1.878776
## 5: Delayed      young      1         12.027778         1.828043
## 6: Delayed      young      2         12.222222         1.983764
## 7: Immediate    young      1         12.360000         1.908600
## 8: Immediate    young      2         11.500000         1.990579
```

\$ANOVA

	Effect	DFn	DFd	F	p	p<.05	ges
## 2	age_group	1	179	0.25305174	0.61555281		8.681664e-04
## 3	condition	1	179	0.84007537	0.36060841		2.876326e-03
## 5	listnum	1	179	3.74731619	0.05446781		8.002756e-03
## 4	age_group:condition	1	179	0.01605149	0.89932441		5.511405e-05
## 6	age_group:listnum	1	179	0.33687712	0.56236733		7.247120e-04
## 7	condition:listnum	1	179	0.01478553	0.90335557		3.182965e-05
## 8	age_group:condition:listnum	1	179	0.78508027	0.37678070		1.687289e-03

