**All presented contrasts are on lags 2 and 3**

**No mask was applied to MLM. Using a mask might help FDR correction.**

## Current Accuracy: Miss > Hit, Too-Slow as confound

### q(FDR) < .05 (p < .002228)

Cluster 1: (51, -11, -2), negative

Cluster 2: (34, 17, 0), positive, R IFG

Cluster 3: (33, -33, 48), negative

Cluster 4: (26, -15, 3), negative

Cluster 5: (12, 5, 7), positive, R caudate

Cluster 6: (-1, 20, 37), positive, ACC

Cluster 7: (1, -27, 47), negative

Cluster 8: (-3, -22, 0), negative, midbrain(??)

Cluster 9: (-1, -19, -15), negative, midbrain(??)

Cluster 10: (-13, -1, 8), positive, L caudate

Cluster 11: (-23, 42, 27), positive, L DLPFC?

Cluster 12: (-36, 16, 1), positive, massive L IFG area

Cluster 13: (-45, 12, 27), positive, L DLPFC?

Cluster 14: (-52, -15, 1), negative, small area

### Interaction: Placebo (Miss – Hit) – Control (Miss – Hit)

Nothing significant at q(FDR) < .05.

Dropping all the way to p < .05, three clusters emerge

Cluster 1: (35, 42, 28), negative

Cluster 2: (5, 51, 27), positive

Cluster 3: (-9, 7, 3), caudate

None of these are significant even at p < .01 so I’m not very enthusiastic about them.

## ErrorType1: BlackToolErr > WhiteToolErr, Too-Slow and Hit as confound

Nothing significant at q(FDR) < .05

Some flecks at p < .005 but nothing of >200vox

At p<.01 there are four >200vox clusters:

Cluster 1: (-7, 2, 7), positive, L caudate

Cluster 2: (-7, 27, -1), positive, L (Limbic lobe / anterior cingulate)

Cluster 3: (-18, -65, -36), negative, cerebellum

Cluster 4: (-55, -32, -3), positive, Middle Temporal Gyrus

Thresholding at p < .05 leads to too many damn clusters (26)

### Interaction: Placebo (BlackToolErr – WhiteToolErr) – Control (BlackToolErr – WhiteToolErr)

Nothing at q(FDR) < .05

Some chaff appears at p<.005 and p<.01 but none of it is >200vox

At p < .05 there are 20 >200vox clusters. Not sure if these bear discussion. Some candidates:  
Cluster 2: (53, -8, 27), increase

Cluster 4: (18, -72, 26), increase

Cluster 5: (10, -42, 26), increase

Cluster 6: (9, 49, 17), increase

Cluster 7: (2, 48, 0), increase

## ErrorType2: BlackToolError > OtherError

### Nothing at q(FDR) < .05

### p < .01, only one cluster >200vox

Cluster 1: (7, -61, -1), negative

### P < .05, no bonferroni or FDR, lots (19) of clusters >200vox

Some may be familiar such as increase at L caudate, (-7, -3, 9). Mostly looks like garbage.

## prevAcc: Previous Error > Previous Hit

### q(FDR) < .05. Huge swaths are significant.

Cluster 1: (56, -31, -3), positive

Cluster 2: (52, -14, 1), negative

Cluster 3: (45, -56, 32), positive

Cluster 4: (39, 19, -5), positive

Cluster 5: (41, 10, -29), positive

Cluster 6: (32, -76, 11), negative

Cluster 7: (37, 19, 37), positive

Cluster 8: (26, -71, -33), positive

Cluster 9: (-3, 31, 32), positive – Massive ACC swath

Cluster 10: (24, -37, 49), negative

Cluster 11: (20, 2, 2), negative – right putamen

Cluster 12: (10, -50, 8) negative – right posterior cingulate?

Cluster 13: (8, -6, 11) positive – right thalamus or anterior nucleus?

Cluster 14: (2, -34, 43), negative – motor area

Cluster 15: (3, 39, -3), negative – inferior(?) anterior cingulate?

Cluster 16: (-9, 30, -5), negative, ibid

Cluster 17: (-13, -53, 7), negative, as Cluster 12

Cluster 18: (-10, -13, 8), positive

Cluster 19: (-21, 0, 3), negative, left putamen

Cluster 20: (-21, -82, 27), negative

Cluster 21: (-23, -39, 54), negative

Cluster 22: (-28, -72, -33), cerebellum

Cluster 23: (-39, 17, -6), positive, L inferior frontal gyrus

Cluster 24: (-36, -79, 5), negative

Cluster 25: (-37, -50, -32), positive, cerebellum

Cluster 26: (-46, -54, 33), positive

Cluster 27: (-42, 11, 34), positive, middle frontal gyrus

Cluster 28: (-44, 10, -31), positive, may be outside area

Cluster 29: (-53, -33, -5), positive, per Cluster 1

## Interaction: Placebo (PrevErr – PrevHit) – Control (PrevErr – PrevHit)

At *p*<.01, only one >200vox cluster: Decrease at (-14, 8, 9)

At p<.05, four >200vox clusters:

Cluster 1: (54, -46, -1), decrease

Cluster 2: (19, 5, 25), decrease

Cluster 3: (13, 11, 5), increase.

Cluster 4: (-14, 7, 6), increase