**Linear Mixed-effect Model results**

**> summary(accpseudo)**

Linear mixed model fit by REML. t-tests use Satterthwaite's method

[lmerModLmerTest]

Formula:

probeACC ~ RC + CE + RC \* CE + (1 + RC + CE + RC \* CE | Subject)

Data: questiondatap

REML criterion at convergence: 3515

Scaled residuals:

Min 1Q Median 3Q Max

-2.1903 0.2241 0.4091 0.6448 1.1668

Random effects:

Groups Name Variance Std.Dev. Corr

Subject (Intercept) 0.0020330 0.04509

RC1 0.0009497 0.03082 -0.59

CE1 0.0010360 0.03219 0.40 0.19

RC1:CE1 0.0005122 0.02263 -0.06 0.19 -0.65

Residual 0.1715437 0.41418

Number of obs: 3200, groups: Subject, 20

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.757500 0.012460 19.171746 60.794 < 2e-16 \*\*\*

RC1 0.064375 0.010055 20.071822 6.403 2.97e-06 \*\*\*

CE1 -0.062500 0.010267 20.217643 -6.088 5.71e-06 \*\*\*

RC1:CE1 0.003125 0.008900 22.242551 0.351 0.729

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr) RC1 CE1

RC1 -0.325

CE1 0.229 0.093

RC1:CE1 -0.025 0.075 -0.258

**2X2 RM ANOVA results**

**> summary(aovacc)**

Error: Subject

Df Sum Sq Mean Sq F value Pr(>F)

Residuals 1 0.1186 0.1186

Error: Subject:RC

Df Sum Sq Mean Sq

RC 1 0.004664 0.004664

Error: Subject:CE

Df Sum Sq Mean Sq

CE 1 0.07463 0.07463

Error: Subject:RC:CE

Df Sum Sq Mean Sq

RC:CE 1 0.07552 0.07552

Error: Within

Df Sum Sq Mean Sq F value Pr(>F)

RC 1 0.0 0.00066 0.008 0.928

CE 1 0.0 0.02675 0.333 0.564

RC:CE 1 0.1 0.09438 1.174 0.279

Residuals 4792 385.3 0.08041