Experiment 3 Output Main Analyses
using source(„analysis_Exp3.R") with PrimeDuration=40

```
Clear workspace
Loading local-lib.R
-----------------------------------------------------------------
Read data of Experiment 3 / Indirect Task at       40 ms:
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Excluding practice trials:
    Total no. trials at       40 ms:     4877
    Practice trials  at       40 ms:      599
-----------------------------------------------------------------
Excluding too fast/slow responses:
    Total no. trials at       40 ms:     4278
    Too early trials at       40 ms:        0
    Too late  trials at       40 ms:       27
-----------------------------------------------------------------
Excluding trials with wrong response:
    Total no. trials at       40 ms:     3976
    Correct   trials at       40 ms:     3842
    Error     trials at       40 ms:      134
-----------------------------------------------------------------
Analysis indirect task at       40 ms
Working on participant:        1
Working on participant:        2
Working on participant:        3
Working on participant:        4
Working on participant:        6
Working on participant:        7
Working on participant:        8
Working on participant:       10
Working on participant:       11
Working on participant:       13
Working on participant:       14
Working on participant:       15
Working on participant:       17
Working on participant:       18
Working on participant:       19
-----------------------------------------------------------------
Indirect task results for prime duration of       40 ms
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...number of participants:       15
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RT-difference betw. congruent and incongruent conditions:
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Mean   of RTdiff:                     11.831 ms
SD     of RTdiff:                     14.072 ms
SEM    of RTdiff:                     3.6333 ms
t-test of RTdiff against zero:        t(14) = 3.2563  p =  0.0057399
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Sensitivity dprime (indirect task):
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Mean   dprime:                        0.17066
SD     dprime:                        0.20798
SEM    dprime:                         0.0537
t-test dprime against 0:              t(14) = 3.178  p =  0.0067081
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Read data of Experiment 3 / Direct Task at       40 ms
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Excluding practice trials:
    Total no. trials at       40 ms:     2560
    Practice trials  at       40 ms:      512
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Excluding too fast/slow responses:
   Total no. trials at       40 ms:     2048
   Too early trials at       40 ms:       99
   Too late  trials at       40 ms:        7
-------------------------------------------------------------------------
Analysis direct task at       40 ms
Working on participant:        1
Working on participant:        2
Working on participant:        3
Working on participant:        4
Working on participant:        6
Working on participant:        7
Working on participant:        8
Working on participant:       10
Working on participant:       11
Working on participant:       13
Working on participant:       14
Working on participant:       15
Working on participant:       17
Working on participant:       18
Working on participant:       19
-------------------------------------------------------------------------
Direct task results for prime duration of        40 ms
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...number of participants, direct task at       40 ms:          15
-------------------------------------------------------------------------
Percent-correct (direct task):
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Mean    of PCorr:                    53.198 ms
SD      of PCorr:                    7.5185 ms
SEM     of PCorr:                    1.9413 ms
t-test of PCorr against 50%:      t(14) = 1.6474  p =  0.12174
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Sensitivity dprime (direct task):
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Mean    dprime:                      0.16583
SD      dprime:                      0.39218
SEM     dprime:                      0.10126
t-test  dprime against 0:         t(14) = 1.6377  p =  0.12376
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Perform sensitivity analysis comparing both tasks (ITA check) at 40 ms:
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ITA results for prime duration of  40 ms
-------------------------------------------------------------------------
-------------------------------------------------------------------------
difference in dprime (indirect-direct):
-------------------------------------------------------------------------
Mean of    dprime       indirect task:          0.17066
Mean of    dprime       direct task:            0.16583
SD of      dprime       indirect task:          0.20798
SD of      dprime       direct task:            0.39218
mean of    dprimeDiff (indirect-direct):        0.0048239
SD of      dprimeDiff  indirect-direct:          0.4005
t-test of dprimeDiff  against zero            t(14) = 0.046649  p =  0.9
6345
-------------------------------------------------------------------------
```