[1] -- Tuesday, February 13, 2024 -- 15:01:25 - DETERMINISM
F tests - ANOVA: Repeated measures, within-between interaction
Analysis: Post hoc: Compute achieved power

| Input: | Effect size f | $=0.167$ | \# $f=$ SQRT((F*DFbetween)/DFwithin) |
| :---: | :---: | :---: | :---: |
|  | $\alpha$ err prob | $=0.05$ | \# a priori |
|  | Total sample size | $=120$ | \# n of sessions |
|  | Number of groups | $=2$ | \# n of groups |
|  | Number of measurements | $=3$ | \# n of zones/stages |
|  | Corr among rep measures | $=0.201509$ | \# pearson r between stages |
|  | Nonsphericity correction $\epsilon$ | $=1$ | \# assumption met in ANOVA |
| Output: | Noncentrality parameter $\lambda$ | $=12.5737673$ |  |
|  | Critical F | $=3.0340833$ |  |
|  | Numerator df | $=2.0000000$ |  |
|  | Denominator df | $=236$ |  |
|  | Power (1- $\beta$ err prob) | $=0.8941075$ |  |

[2] -- Tuesday, February 13, 2024 -- 15:04:03 - MEANLINE
F tests - ANOVA: Repeated measures, within-between interaction
Analysis: Post hoc: Compute achieved power
Input: Effect size f $=0.16205$

$$
\alpha \text { err prob } \quad=0.05
$$

Total sample size $=120$
Number of groups $=2$
Number of measurements $=3$
Corr among rep measures $=0.14969$
Nonsphericity correction $\epsilon \quad=1$
Output: Noncentrality parameter $\lambda=11.1179133$
Critical F $=3.0340833$
Numerator df $=2.0000000$
Denominator df $=236$
Power ( $1-\beta$ err prob) $\quad=0.8518425$
[3] -- Tuesday, February 13, 2024 -- 15:05:36 - LAMINARITY
F tests - ANOVA: Repeated measures, within-between interaction
Analysis: Post hoc: Compute achieved power
Input: Effect size f $=0.156719$
$\alpha$ err prob $\quad=0.05$
Total sample size $=120$
Number of groups $=2$
Number of measurements $=3$
Corr among rep measures $=0.160941$
Nonsphericity correction $\epsilon=1$
Output: Noncentrality parameter $\lambda=10.5378813$
Critical F $=3.0340833$
Numerator df $=2.0000000$
Denominator df $=236$
Power ( $1-\beta$ err prob) $\quad=0.8313277$
[4] -- Tuesday, February 13, 2024 -- 15:07:08 - TRAPPING TIME

F tests - ANOVA: Repeated measures, within-between interaction
Analysis: Post hoc: Compute achieved power
Input: Effect size f $=0.070273$
$\alpha$ err prob $\quad=0.05$
Total sample size $\quad=120$
Number of groups $=2$
Number of measurements $=3$
Corr among rep measures $=0.105043$
Nonsphericity correction $\epsilon \quad=1$
Output: Noncentrality parameter $\lambda=1.9864485$
Critical F $=3.0340833$
Numerator df $=2.0000000$
Denominator df $\quad=236$
Power ( $1-\beta$ err prob) $\quad=0.2218647$

Note: Effect size f was calculated with the interaction term (leader*stage) F statistic and degrees of freedom for each outcome. In Trapping Time, the interaction term was not significant and thus the stage main effect is reported.

