[1] -- Tuesday, February 13, 2024 -- 15:01:25 - DETERMINISM

F tests - ANOVA: Repeated measures, within-between interaction

Analysis:	Post hoc: Compute achieved po	ower		
Input:	Effect size f	=	0.167	# f=SQRT((F*DFbetween)/DFwithin)
	α 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	<pre># pearson r between stages</pre>
	Nonsphericity correction e	=	1	# assumption met in ANOVA
Output:	Noncentrality parameter λ	=	12.5737673	
	Critical F	=	3.0340833	
	Numerator df	=	2.000000	
	Denominator df	=	236	
	Power (1–β 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
	α err prob	=	0.05
	Total sample size	=	120
	Number of groups	=	2
	Number of measurements	=	3
	Corr among rep measures	=	0.14969
	Nonsphericity correction e	=	1
Output:	Noncentrality parameter λ	=	11.1179133
	Critical F	=	3.0340833
	Numerator df	=	2.0000000
	Denominator df	=	236
	Power (1-β err prob)	=	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
	α err prob	=	0.05
	Total sample size	=	120
	Number of groups	=	2
	Number of measurements	=	3
	Corr among rep measures	=	0.160941
	Nonsphericity correction ϵ	=	1
Output:	Noncentrality parameter λ	=	10.5378813
	Critical F	=	3.0340833
	Numerator df	=	2.0000000
	Denominator df	=	236
	Power (1–β err prob)	=	0.8313277

[4] -- Tuesday, February 13, 2024 -- 15:07:08 - TRAPPING TIME

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