

F tests - ANOVA: Fixed effects, special, main effects and interactions

Analysis: A priori: Compute required sample size

Input:	Effect size f	=	0.15
	α err prob	=	0.05
	Power ($1-\beta$ err prob)	=	0.8
	Numerator df	=	1
	Number of groups	=	2
Output:	Noncentrality parameter λ	=	7.8975000
	Critical F	=	3.8682415
	Denominator df	=	349
	Total sample size	=	351
	Actual power	=	0.8002592