Shashi- Gpower

[1]*-- Friday, July 16, 2021 -- 15:09:08*

**F tests -**Linear multiple regression: Fixed model, R² deviation from zero

**Analysis:**A priori: Compute required sample size

**Input:**          Effect size f²                              =  0.15

                   α err prob                                 =  0.05

                   Power (1-β err prob)                   =  0.90

                   Number of predictors                  =  6

**Output:**        Noncentrality parameter λ           =  18.4500000

                   Critical F                                   =  2.1776874

                   Numerator df                             =  6

                   Denominator df                          =  116

                   Total sample size                       =  123

                   Actual power                             =  0.9012041

[2]*-- Friday, July 16, 2021 -- 15:09:55*

**F tests -**Linear multiple regression: Fixed model, R² deviation from zero

**Analysis:**Post hoc: Compute achieved power

**Input:**          Effect size f²                              =  0.0649627

                   α err prob                                 =  0.05

                   Total sample size                       =  78

                   Number of predictors                  =  6

**Output:**        Noncentrality parameter λ           =  5.0670906

                   Critical F                                   =  2.2292707

                   Numerator df                             =  6

                   Denominator df                          =  71

                   Power (1-β err prob)                   =  0.3126498