

# Type I Sums of Squares dichotomous key

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- 1a More than one predictor, and predictors are quantitative, i.e., multiple regression, or predictors are both quantitative and categorical, i.e., ANCOVA.....**  
Don't use type I SS. Use type II or III SS, e.g., `car::Anova`, or use *t*-tests to evaluate quantitative predictors using `lm()`.
- 1b All predictors are categorical, i.e., ANOVA framework.....** 2
  - 2a One factor, i.e., one-way ANOVA.....**  
Type I SS OK, i.e., type I = type II = type III SS.
  - 2b More than one factor, i.e., multi-way ANOVA.....** 3
    - 3a Balanced design.....**  
Type I SS OK, i.e., type I = type II = type III SS.
    - 3a Design *not* balanced.....**  
Don't use Type I SS. Use type II or type III SS, e.g., `car::Anova`.