Empirical software engineering

Lab 3: Design and simulate an experiment
Group 9

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Simulate the data

1) Simulate for a the sample size per group that you defined in the power analysis.

a) How does your fitted model looks like?

b) How do it compare with your 'true' model you defined in the simulation.

2) Simulate for an underpowered study with half the sample size you calculated in the power analysis

a) How does your fitted model looks like?

b) How do it compare with your 'true' model you defined in the simulation

c) How do the results change compared to the correctly powered experiment.