

## MTH225-11 In-class exercise 1: Two-factor ANOVA without interaction

**Names:** (signatures only please, printed names will not be counted)

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| 1.) | 4.) |
| 2.) | 5.) |
| 3.) | 6.) |

## Week 12 In-Class Assignment 1

The objective in this analysis is to run a Bayesian two-factor ANOVA

- Use `week12_IC1a_example1.Rnw` as the RStudio (.Rnw) file
- Use `week12_IC1a_example1.stan` as the model file

Use the 95% credible intervals for the following quantities to determine which are different:

- `mpg_car_city`
- `mpg_car_hwy`
- `mpg_truck_city`
- `mpg_truck_hwy`

The data for this exercise is the EPA mileage data `EPA_mileage.Rdata`