Project: Reproducible Report Toy Example

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Circulation Report

Updates

- added some text to ReadMe.md files
- added session info

Introduction

We are interested in comparing weight of vehicles with their gas mileage. We hypothesize that vehicles with a higher weight will have worse gas mileage compared to vehicles with a lower weight.

Note this (circulation) report will only contain what is pertinent to the manuscript

Statistical methods

A linear model including mpg as the outcome and weight (per 1000lbs) as a covariate was utilized.

Results

Linear model indicated that with every additional thousand pound increase in vehicle weight resulting in 5.34 less miles per gallon (p <0.01), indicating an inverse relationship between vehicle weight and gas mileage.

Characteristic	Beta	95% CI	p-value
Weight	-5.3	-6.5, -4.2	< 0.001