

Class Assignment: MPG tables and charts

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Using the tidyverse (especially dplyr) for MPG

Recall assignment:

Tables should include a comparison of city and highway mileage by the class of car and the best three car models for city and highway mileage for all the years in which data is available.

Plot the data displaying as much of the data as you can. Put continuous variables on the axes and include a locally smoothed regression line to show the relationship with mileage. Also make a box plot comparing city and highway MPG by class of car.

Table 1: Average City and Highway Milage per Car Class

Class	City Mileage	Highway Mileage
2seater	15.40	24.80
compact	20.13	28.30
midsize	18.76	27.29
minivan	15.82	22.36
pickup	13.00	16.88
subcompact	20.37	28.14
suv	13.50	18.13

Table 2: Best models for city and highway milage in 1999 and 2008

City 1999		Highway 1999		City 2008		Highway 2008	
Model	Milage	Model	Mileage	Model	Mileage	Model	Mileage
new beetle	26.00	new beetle	35.00	corolla	27.0	corolla	36.00
civic	24.80	corolla	32.67	civic	24.0	civic	33.75
corolla	24.67	civic	31.60	gti	21.5	camry	30.00