

Spring 2021

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QMB 6911
Capstone Project in Business Analytics

Solutions: Problem Set #5

0.1 Used Trucks Data

Begin with creating the variable age from the year variable, and taking in consideration that the data was gathered in 2020.

0.1.1 Scatterplots of the data type, pau, pret, milage, damge, ror, and cost

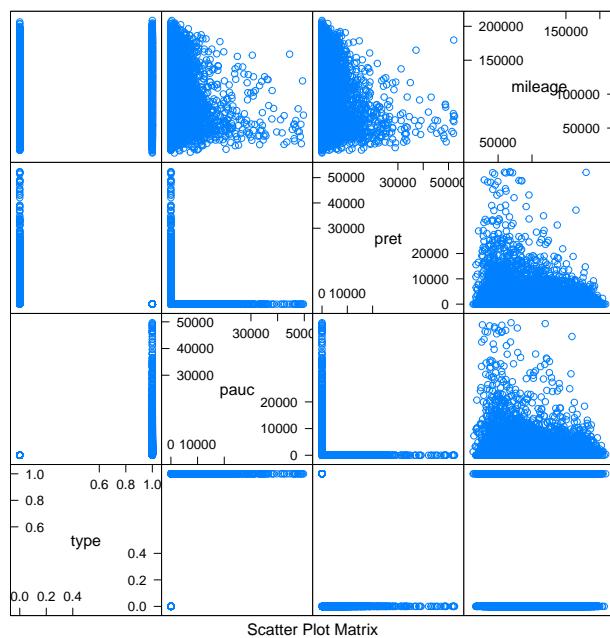


Figure 1: matrix of scatterplots

0.1.2 considering differences bewtween the dealer and age

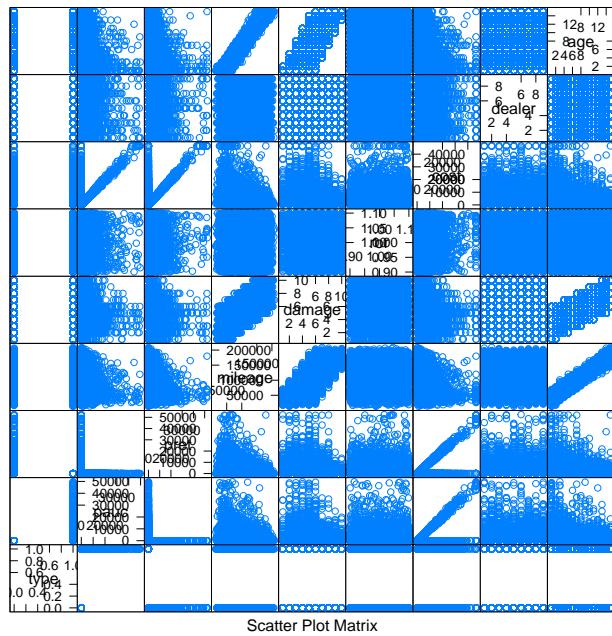


Figure 2: considering dealer and age

cheking the relationship between mileage and age

Figure 3 showing the relationship between mileage and age

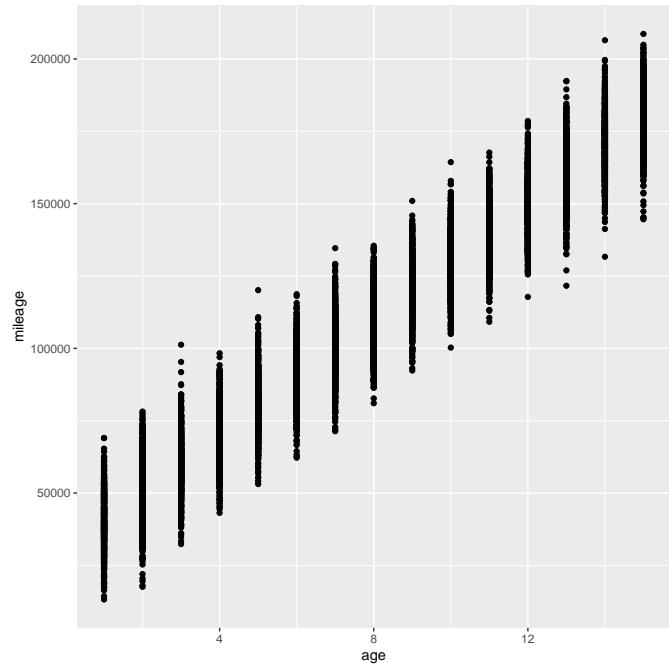


Figure 3: relationship between mileage and age

cheking the relationship between pret and age

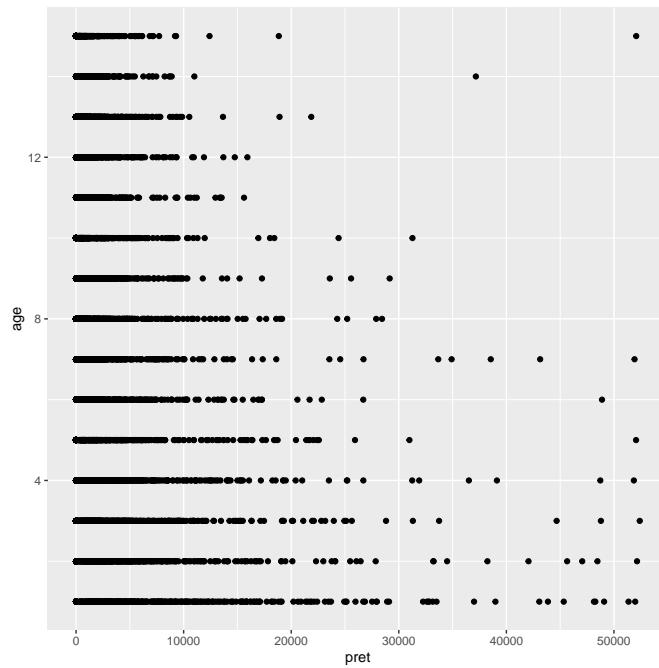


Figure 4: comparing the relationship between retail price and age

cheking the relationship between pauc and age

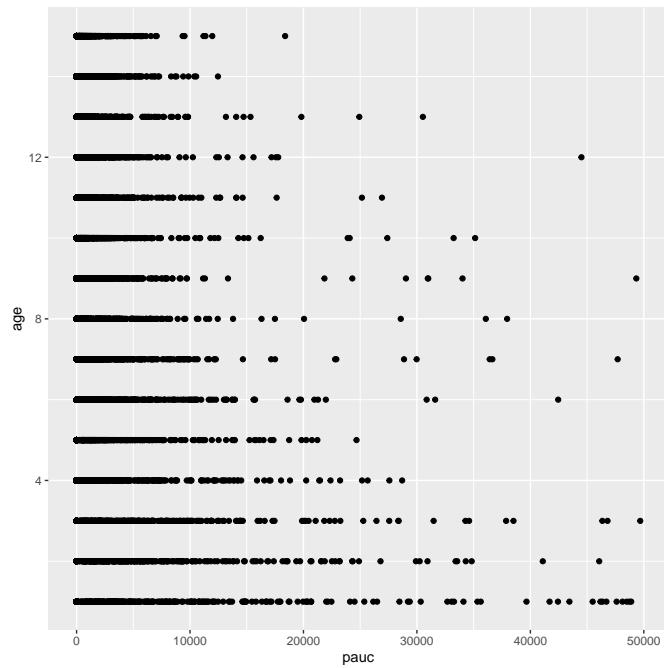


Figure 5: comparing the relationship between auction price and age