**Assignment 2**

**PDS**

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1. The columns with missing values are ‘Mileage’, ‘Engine’, ‘Power’ , ‘Seats’, ‘New\_Price’.

I had replaced the missing values in ‘Mileage’, ‘Engine’, ‘Power’ with mode. I have not chosen to mean, since it is can be altered easily even if there is a single outlier.

For the ‘Seats’ column, I had chosen mean because the number of seats will be a whole number.

I had dropped the column ‘New\_Price’ since lot of values are missing in it.

D) The new features calculated are ‘Age\_of\_Car’ which is the difference of the current year and the ‘Year’ in the particular row. Other features that we can add as ‘Power\_per\_Liter’ and ‘Mileage\_per\_Seat’.