**Assignment 2**

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A) The columns that had missing values were ‘Mileage’, ‘Engine’, ‘Power’, ‘Seats’, and ‘New\_Price’.  
I replaced the missing values in ‘Mileage’, ‘Engine’, and ‘Power’ using the mode, because using the mean could be misleading if there are outliers.  
For the ‘Seats’ column, I used the mean since seat counts are usually whole numbers and mostly consistent.  
I dropped the ‘New\_Price’ column because it had too many missing values.

D) The new features calculated include ‘Age\_of\_Car’, which is the difference between the current year and the ‘Year’ in each row. Additional features that can be added are ‘Power\_per\_Liter’ and ‘Mileage\_per\_Seat’..