The "Automobiles-Data" contains the data and it has multivariate characteristics.   
  
Attribute Information:  
  
1. symboling: -3, -2, -1, 0, 1, 2, 3.   
[Its assigned insurance risk rating. It basically corresponds to the degree to which the auto is more risky than its price   
indicates. Cars are initially assigned a risk factor symbol associated with its price. Then, if it is more risky (or less),   
this symbol is adjusted by moving it up (or down) the scale. Actuarians call this process "symboling".   
A value of +3 indicates that the auto is risky, -3 that it is probably pretty safe.]  
  
2. normalized-losses: continuous from 65 to 256.   
[ Its normalized losses in use as compared to other cars]  
  
3. make:   
alfa-romero, audi, bmw, chevrolet, dodge, honda, isuzu, jaguar, mazda, mercedes-benz, mercury,   
mitsubishi, nissan, peugot, plymouth, porsche, renault, saab, subaru, toyota, volkswagen, volvo   
  
4. fuel-type: diesel, gas.   
5. aspiration: std, turbo.   
6. num-of-doors: four, two.   
7. body-style: hardtop, wagon, sedan, hatchback, convertible.   
8. drive-wheels: 4wd, fwd, rwd.   
9. engine-location: front, rear.   
10. wheel-base: continuous from 86.6 120.9.   
11. length: continuous from 141.1 to 208.1.   
12. width: continuous from 60.3 to 72.3.   
13. height: continuous from 47.8 to 59.8.   
14. curb-weight: continuous from 1488 to 4066.   
15. engine-type: dohc, dohcv, l, ohc, ohcf, ohcv, rotor.   
16. num-of-cylinders: eight, five, four, six, three, twelve, two.   
17. engine-size: continuous from 61 to 326.   
18. fuel-system: 1bbl, 2bbl, 4bbl, idi, mfi, mpfi, spdi, spfi.   
19. bore: continuous from 2.54 to 3.94.   
20. stroke: continuous from 2.07 to 4.17.   
21. compression-ratio: continuous from 7 to 23.   
22. horsepower: continuous from 48 to 288.   
23. peak-rpm: continuous from 4150 to 6600.   
24. city-mpg: continuous from 13 to 49.   
25. highway-mpg: continuous from 16 to 54.   
26. price: continuous from 5118 to 45400.  
  
Abbreviations:  
RPM - Revolutions per minute.  
MPG - Miles per gallon.  
  
Assignment is to predict the price of vehicles in the "Automobiles-Testing" sheet.   
Also provide a technical note on the process opted out for this purpose and why it was selected.