Consider the automobile data set posted on blackboard. The Automobile dataset has a different characteristic of an auto such as body-style, wheel-base, engine-type, price, mileage, horsepower and many more. **In Python**, answer the following:

1. (3 points) Using the pandas library, read the csv datafile and create a data-frame called `autos`
2. (3 points) Report the mean `price`
3. (3 points) Report the median `price`
4. (3 points) A common rule of thumb to determine the skewness of a numeric dataset is to compare the mean and the median using the following rules:

   - If the mean $>$ the median $\Rightarrow$ right-skewed distribution
   - If the mean $\approx$ the median $\Rightarrow$ symmetric distribution
   - If the mean $<$ the median $\Rightarrow$ left-skewed distribution

   Using the above rules, what is the skewness of `price`?
5. (3 points) Compute the variance of `price`
6. (3 points) Compute mean of the log(`price`)