Post 1

You are looking for a home in your area. Go to a website that shows home prices in your area and allows you to search based on specific criteria. Identify at least three criteria (e.g., number of bedrooms, number of bathrooms, square footage, type of heat) you can use to narrow your search and find the prices of at least ten homes. Do not include price as one of the criteria as we would like to see a range of prices.

- What criteria did you use in your home search?
- List the prices (ten or more) of the homes you found.
- Find the mean, median, mode (if applicable), and midrange of the home prices. If there is no mode, explain why.

Post 1 Example

NOTE: Not all parts of the Discussion are included in this Example. Read the Discussion Question thoroughly and respond to all parts of the Question.

I found the following prices on realtor.com 3 bedroom, 2 bathroom houses with central air:

$189,999	$404,500	$176,000	$194,900	$320,000
$187,550	$320,000	$186,000	$214,900	$190,000

Mean:

$$\text{Mean} = \frac{189,999+404,500+176,000+194,900+320,000+187,550+320,000+186,000+214,900+190,000}{10}$$

$$= \frac{2,383,849}{10}$$

$$= \$238,384.90$$

The mean home price is $238,384.90.

Median:

First put the home prices in order.

$176,000	$186,000	$187,550	$189,999	$190,000
$194,900	$214,900	$320,000	$320,000	$404,500

Choose the middle home price.

$176,000	$186,000	$187,550	$189,999	$190,000
$194,900	$214,900	$320,000	$320,000	$404,500

Two home prices share the middle, so the median home price is the average of the two.

$$\text{Median} = \frac{190,000 + 194,900}{2}$$

$$= \frac{384{,}900}{2}$$
$$= 192{,}450$$

The median home price is $192,450.

Mode:

There are two homes with the same price, $320,000, so it is the mode.