**Statistical Question:**  On average, how many positive Covid-19 cases are there in the state of Tennessee?

Several counties in the state of Tennessee are listed in the table below to reflect the current data for Covid-19 as of April 22, 2020. Use the data from the table to answer the following questions.

|  |  |  |  |
| --- | --- | --- | --- |
| County | Tested Positive | Recovered | Deceased |
| Davidson County | 1,872 | 912 | 20 |
| Fayette County | 48 | 28 | 1 |
| Hamilton County | 127 | 74 | 13 |
| Knox County | 199 | 169 | 4 |
| Madison County | 91 | 47 | 1 |
| Putnam County | 100 | 74 | 4 |
| Rutherford County | 345 | 164 | 7 |
| Shelby County | 1,924 | 799 | 43 |
| Sumner County | 550 | 309 | 32 |
| Williamson County | 265 | 244 | 6 |

1. Create a different statistical question that could be answered from the data findings listed above.
2. Place the counties in order from least to greatest based on the number of positive tests from the table.
3. What is the average (mean) number of positive Covid-19 cases in Tennessee based on the information given in the table from 10 counties in the state? *(Show your work.)* What does the mean *(average)* tell you about the data?
4. Calculate the median number of positive cases in the state of Tennessee based on the table. *(Show your work.)* What does the median tell you about the data?
5. Create 5 different inequality statements/sentences using the >, <, =, ≥, and ≤ symbols to compare the Tennessee counties listed in the table. (**You must use each inequality symbol correctly to receive full credit**.) ***For example: Davidson County deaths > Williamson County deaths***

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