TEEN WOLF: THROUGH THE SEASONS Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Part I

Fill in the range, mean, mode, and median for the table below using the data provided.

Use the scores below to make a scatterplot for the first three seasons (each group member does one season) of the TV show Teen Wolf.

|  |  |  |  |
| --- | --- | --- | --- |
| Episode | Season 1 | Season 2 | Season 3 |
| **1** | 7.8 | 8.4 | 8.7 |
| **2** | 7.6 | 8.5 | 8.8 |
| **3** | 7.8 | 8.4 | 8.8 |
| **4** | 8.2 | 8.5 | 8.8 |
| **5** | 7.9 | 8.5 | 9 |
| **6** | 8 | 8.5 | 9.1 |
| **7** | 8.1 | 8.6 | 8.9 |
| **8** | 8.1 | 8.6 | 8.9 |
| **9** | 8.3 | 8.7 | 8.7 |
| **10** | 8.3 | 8.7 | 8.9 |
| **11** | 8.7 | 8.7 | 9 |
| **12** | 8.7 | 8.8 | 9.1 |
| **13** |  |  | 9 |
| **14** |  |  | 9.1 |
| **15** |  |  | 9.1 |
| **16** |  |  | 9.3 |
| **17** |  |  | 9.4 |
| **18** |  |  | 9.5 |
| **19** |  |  | 9.3 |
| **20** |  |  | 9.4 |
| **21** |  |  | 8.8 |
| **22** |  |  | 9.5 |
| **23** |  |  | 9.5 |
| **24** |  |  | 9.5 |
| **25** |  |  | 9.5 |
| **Range** |  |  |  |
| **Mean** |  |  |  |
| **Mode** |  |  |  |
| **Median** |  |  |  |

## Part II

1. Draw a line of best fit for each season. How and why they different?
2. Tape all three graphs together. Use a piece of string to tape a line of best fit for the entire series. Answer the following questions.
3. Describe the overall trend observed for the series *Teen Wolf*?
4. Why do you think the number of episodes per season changes?
5. Why do you think TV scores vary by episode?
6. Why do you think TV ratings vary by season?
7. If you were in charge of programming for a TV station, how would you use data ratings?