

March Madness Mathematics Data Analysis Problems

- 1.) Using the scores from your score tracking sheet, or Mr. Meyer’s bulletin board, compute the average (mean & mode) score of the games in the play in games of the **First Four Play In Round Games**. You should also give the range of scores.

Mean: _____ **Mode:** _____ **Range:** _____

- 2.) Compute the average (mean & mode) score of the games in the **Second Round** of the **East Regional**. You should also give the range of scores.

Mean: _____ **Mode:** _____ **Range:** _____

- 3.) Compute the mean average (mean & mode) score of the games in the Second Round of the **Midwest Regional**. You should also give the range of scores.

Mean: _____ **Mode:** _____ **Range:** _____

- 4.) Compute the mean average (mean & mode) score of the games in the **Second Round** of the **South Regional**. You should also give the range of scores.

Mean: _____ **Mode:** _____ **Range:** _____

- 5.) Compute the mean average (mean & mode) score of the games in the **Second Round** of the **West Regional**. You should also give the range of scores.

Mean: _____ **Mode:** _____ **Range:** _____

Compute the mean (average) score of the games in the **Third Round** of the tournament for each region. You should also give the range of scores.

- 6.) EAST

Mean: _____ **Range:** _____

- 7.) MIDWEST

Mean: _____ **Range:** _____

- 8.) SOUTH

Mean: _____ **Range:** _____

- 9.) WEST

Mean: _____ **Range:** _____

Compute the mean (average) score of the games in the **Sweet Sixteen Round** of the tournament for each region. You should also give the range of scores.

10.) EAST
Mean: _____ **Range:** _____

11.) MIDWEST
Mean: _____ **Range:** _____

12.) SOUTH
Mean: _____ **Range:** _____

13.) WEST
Mean: _____ **Range:** _____

Compute the mean (average) score of the games in the **Elite Eight Round** of the tournament for each region. You should also give the range of scores.

14.) EAST
Mean: _____ **Range:** _____

15.) MIDWEST
Mean: _____ **Range:** _____

16.) SOUTH
Mean: _____ **Range:** _____

17.) WEST
Mean: _____ **Range:** _____

18.) Compute the mean (average) score of the games in the **Final Four Round** of the tournament. Once again, include the range of scores.

Mean: _____ **Range:** _____

19.) Compute the mean (average) score of the games in the **National Championship Game** of the tournament. Once again, include the range of scores.

Mean: _____ **Range:** _____

20.) Which **Regional** had the **highest mean** in each round?

List both the score & the region.

Play In Round: Highest Mean Score –
Region with highest Mean -

Round 2: Highest Mean Score –
Region with highest Mean -

Sweet Sixteen: Highest Mean Score –
Region with highest Mean -

Elite Eight: Highest Mean Score –
Region with highest Mean -

21.) In which regional was the highest and lowest points scored?

Give **BOTH** the **# of points** and the **region for each game's score.**

Most Points: Region & #

Least Points: Region & #

22.) Take the National Champion and create a double bar graph showing their score and their opponents' score in each game of the tournament (you'll do this with a spreadsheet program like Numbers, google sheets, or Excel).