

**Frequently Asked Questions:**

Mission Analytics Pikes Peak Data Exercise

**Q:** In the .pdf doc it states that a division is based on age group and gender with age group being defined, for the most part, in 10 year increments. However, looking at the data seems to indicate that the age groups are in 5 year increments. Was there a misprint or am I misreading the div/tot field? What do the hash signs and asterisks after some of the entries in the Net Time column mean? Or is figuring that out part of the exercise?

**A:** Follow the directions regarding divisioning, rather than the (not very accurate) division information in the data. There is no additional data definitions available, that the data was being hand entered, and use your best judgement when dealing with those values.

**Q:** There are a lot of potential data points, and the instructions to "analyze" can be widely interpreted. Are visualizations desired for all these data points, or can I interpret "analyze" as some subset of these data points:

2(gender)\*6(divisions)\*3(calculations: mode, median, mean)\*3(times-net, gun, pace) = 108 potential data points, charts, or graphs

**A:** Analyze in this sense means calculate. You can provide your answers in the fashion you choose, but clearly communicating them is part of the evaluation.

**Q:** I do have a question before submitting. What should be included in the analysis for Question 2?  So far for each gender, I have only taken the differences between the two times and have the mean, media, mode, min, and max for the differences.

**A:** The purpose of this question is to see what exploratory analytics you would conduct to extract any patterns from the targeted data points.

**Q:** When referring to race results in Q1, Q3, and Q4, is it safe to assume that we are talking about net time? Given that net time is the officially recorded time.

**A:** Yes.

**Q:** Given that a division comprises racers of the same gender and age group, so 2 racers in the same age group and with the same gender should be in the same division. I found many instances that above mentioned examples are in different divisions. Therefore, can I assume that the division label maybe incorrect and therefore need to be reworked to correctly reflect the right divisions?

**A:** Yes.