Rock and Roll Marathon Report (2016-2019)

**Overview**

Analysis has been done on the Rock and Roll Marathon from the years 2016 to 2019. This analysis includes the following information: fastest, slowest, median, and mean times for each of the eight races; overall mean and median times for half and full marathons; how many runners have beaten Oprah’s time; first, second and third quartiles for each half-marathon; the difference between Scott Wietecha’s (first place runner from 2016-2019) time and the second-place runner’s time.

**Year With Fastest/Slowest Runners**

From looking at the fastest and slowest times for each year and race, there do not seem to be any outliers. This leads to the conclusion that mean times should adequately represent the collective pace for each year. Thus, the year with the slowest runners was 2017, and the year with the fastest runners was 2019.

The hypothesis behind slower and faster paces may be due primarily to weather such as high temperatures or high winds. In fact, the temperature in 2017 was 91 °F and the temperature in 2019 was 77 °F [1]

**Reference**

[1] - <https://findmymarathon.com/weather->detail.php?zname=Rock%20n%20Roll%20Nashville%20Marathon&year=2017