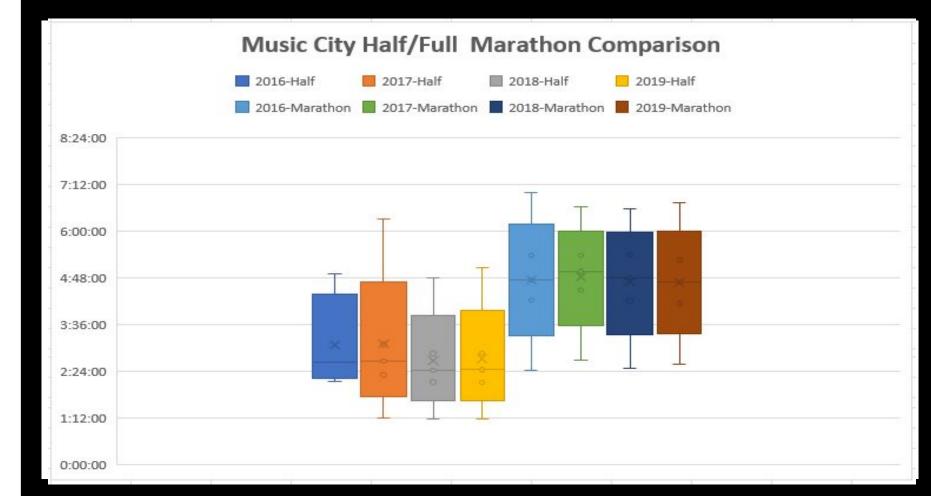
Analysis of Nashville Marathon Data

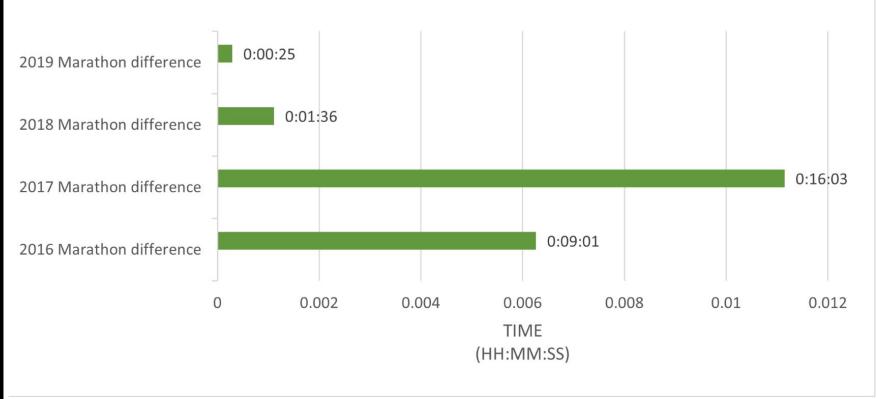
Music City Raptors (Team 2)





Solution			
Slowest 4:54:41 7:00:00 6:18:24 6:38:19 4:45:41 4:45:19 2:39:34 4:58:14 4:45:19 2:39:34 4:58:14 4:45:19 2:39:34 4:58:14 4:45:19 2:39:34 4:58:14 4:45:19 2:39:34 4:58:14 4:45:19 2:39:34 4:58:14 4:45:19 2:39:34 4:58:14 4:45:19 2:39:34 4:58:14 4:54:46 2:39:35 4:47:48 2:43:59 4:54:26 2:39:36 4:47:48 2:43:59 4:54:26 2:49:35 4:54:26 2:49:35 4:54:26 2:49:35 4:54:26 2:49:35 4:54:26 2:49:35 4:54:26 2:49:35 4:49	2018 Half 2018 Marathon		2019 Marat
4th Median 2:26:18 4:45:19 2:39:34 4:58:14 Mean 2:31:57 4:47:48 2:43:59 4:54:26 3 Beat Oprah's Time 1099 615 1 1099 615 1 Total Runners 17918 2953 17700 2467 2 4493% 24,93%	1:09:25 2:28:16	1:10:03	2:34:59
Mean Beat Oprah's Time 1099 615 Total Runners 17918 2953 17700 2467 % Runners beat Oprah 37.22% 24.93% Number Half-Runners under 1:20 12 7 Number Marathoners under 3 Hrs. 16 2 Number Marathoners under 1:45 701 354 % Half Runners under 1:45 3.91% 2.00% % Marathoners under 4 Hrs. 520 275 % Marathoners under 4 Hrs. 17.61% 11.15% Mean All Halfs 2:35:15 17.61% 11.15% Median All Marathons 4:48:27 4.48:27 1.10:58 2:40:25 1.11:15 Zero Quartile 1:11:15 2:25:42 1:10:58 2:40:25 1.11:15 2:25:42 1:10:58 2:40:25 1.11:15 1.11:15 2:25:42 1:10:58 2:40:25 1.11:15 1.11:15 2:25:42 1:10:58 2:40:25 1.11:15 1.11:15 2:25:42 1:10:58 2:40:25 1.11:15 1.11:15 2:25:42 1:10:58 2:40:25 1.11:15 1.11:15 2:25:42 2:40:25 1.11:15 1.11:15	4:48:06 6:34:41	5:03:35	6:43:55
Beat Oprah's Time	2:25:32 4:48:21	2:26:07	4:41:57
Total Runners	2:31:46 4:48:23	2:32:07	4:42:09
% Runners beat Oprah 37,22% 24,93% Number Half-Runners under 1:20 12 7 Number Marathoners under 3 Hrs. 16 2 Number Half-Runners under 1:45 701 354 % Half Runners Under 1:45 3.91% 2.00% Number Marathoners under 4 Hrs. 520 275 % Marathoners under 4 Hrs. 17.61% 11.15% Mean All Halfs 2:35:15 11.15% Median All Halfs 2:29:38 11.15% Mean All Marathons 4:48:27 11.058 2:40:25 Median All Marathons 5:06:13 2:25:42 1:10:58 2:40:25 1 First Quartile 1:11:15 2:25:42 1:10:58 2:40:25 1 Second Quartile 2:26:18 4:43:19 2:39:34 4:58:14 2 First Quartile 2:25:11 5:22:01 3:05:10 5:22:44 2 Fourth Quartile 4:54:41 7:00:00 6:18:24 6:38:19 4 # Runners Below 1st Q? 4479 2669 4 4 # Runners Below 2nd Q? 8956 606	756		793
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	Andrew Hodges 2:43:59	Thomas Ellis	2:42:

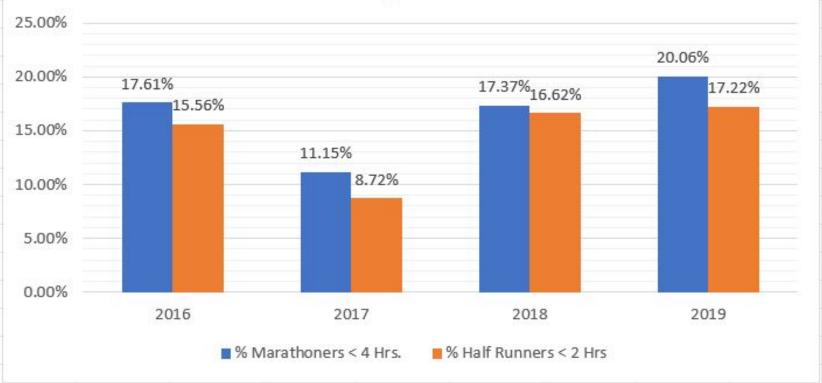


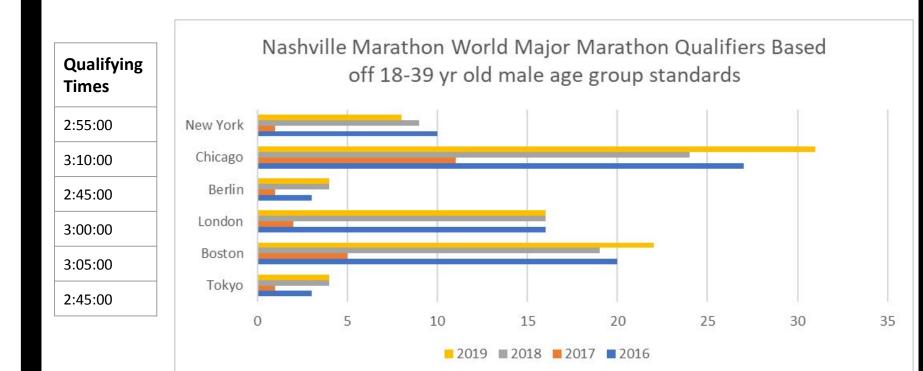


Number Runners Beating Critical Times



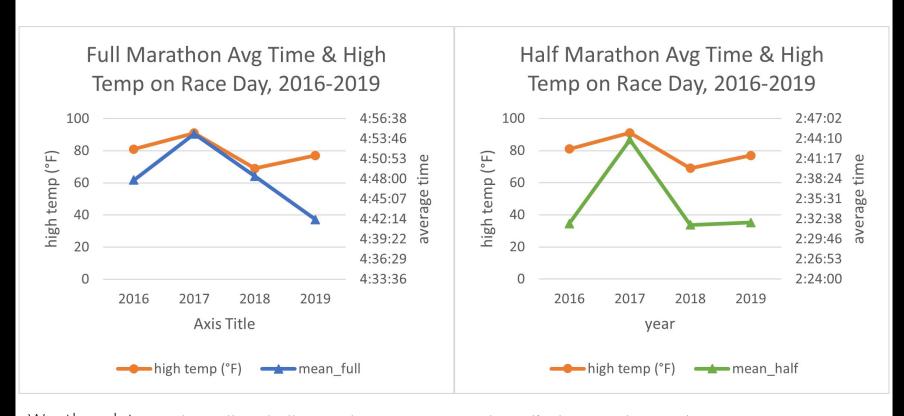
% Runners Beating Critical Times











Weather data: Rock n Roll Nashville Marathon Race Day Weather - (findmymarathon.com)



Takeaways From the Analysis

2017 was the hottest year (worst weather in terms of running)

- 2017 had the least amount of World Major Marathon Qualifiers
- In 2017, there was the biggest time difference between the 1st and 2nd place full marathon runner times
- The largest decrease in half marathon participation was from 2017-2018
- Full marathon participation also decreased from 2017-2018, but its largest decrease was from 2016-2017