



GREEN TEAM

Nashville Rock-and-Roll Marathons:

Race Results, 2016-2019

Presented by Heather, Jeff, Katie, Sreyas



Half Marathon Race Stats Overview

Fastest, Slowest, Median, and Mean Times

	=MIN()	=MAX()	=MEDIAN()	=AVERAGE()
RACES	FASTEST	SLOWEST	MEDIAN	MEAN
2016	1:11:15	4:54:41	2:26:18	2:31:57
2017	1:10:58	6:18:24	2:39:34	2:43:59
2018	1:09:25	4:48:06	2:25:32	2:31:46
2019	1:10:03	5:03:35	2:26:07	2:32:07



Mean Half Marathon Time 2016-2019: 2:35:15

Median Half Marathon Time 2016-2019: 2:29:38



Marathon Race Stats Overview

Fastest, Slowest, Median, and Mean Times

	=MIN()	=MAX()	=MEDIAN()	=AVERAGE()
RACES	FASTEST	SLOWEST	MEDIAN	MEAN
2016	2:25:42	7:00:00	4:45:19	4:47:48
2017	2:40:25	6:38:19	4:58:14	4:54:26
2018	2:28:16	6:34:41	4:48:21	4:48:23
2019	2:34:59	6:43:55	4:41:57	4:42:09

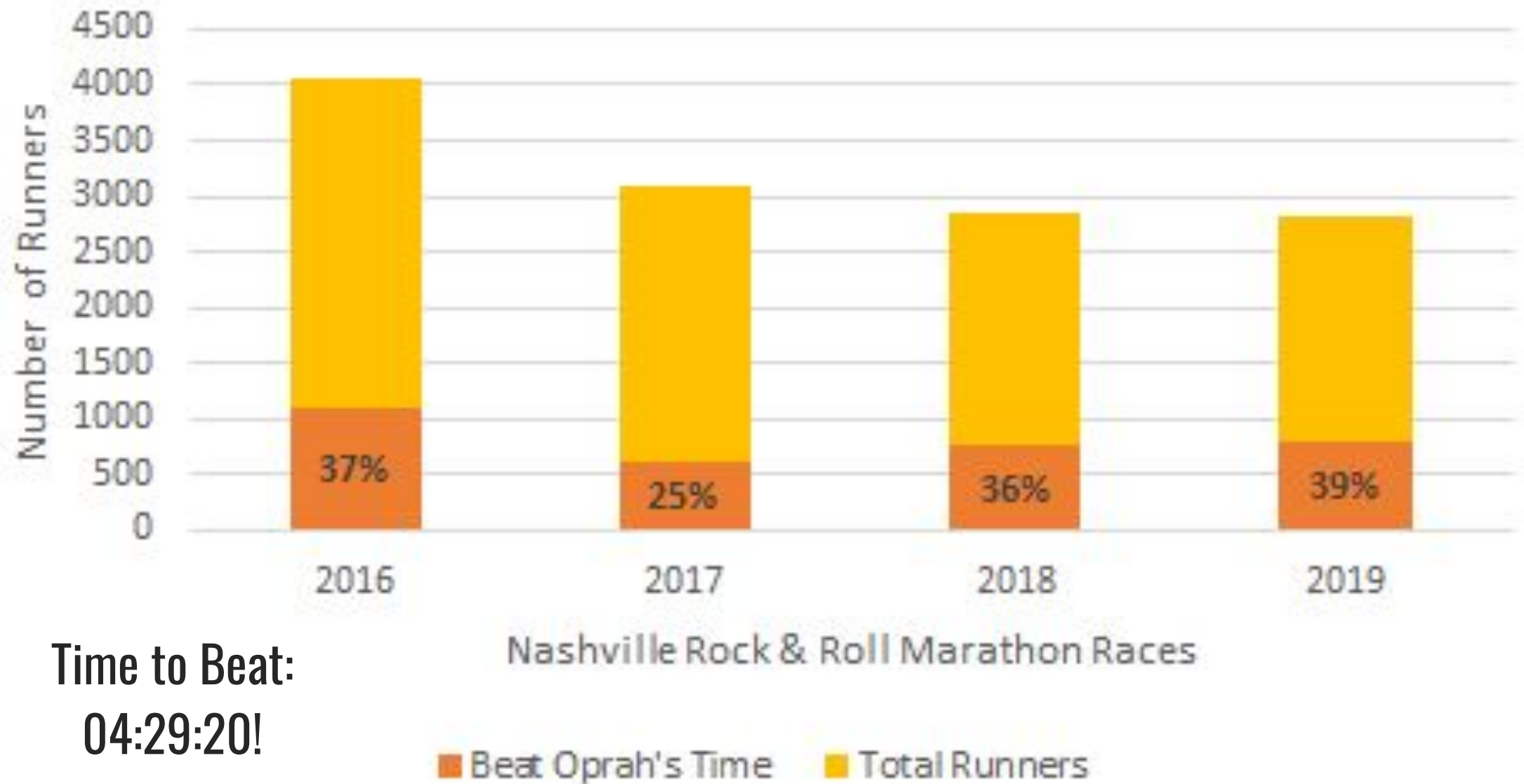


Mean Marathon Time 2016-2019: 4:48:27
Median Marathon Time 2016-2019: 4:48:53

Oprah Winfrey's 1994 Marine Corps Marathon Time

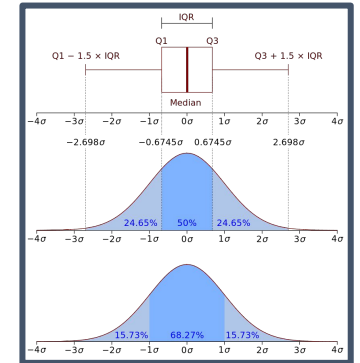


Percentage of Runners Who Beat Oprah's Time



Time to Beat:
04:29:20!

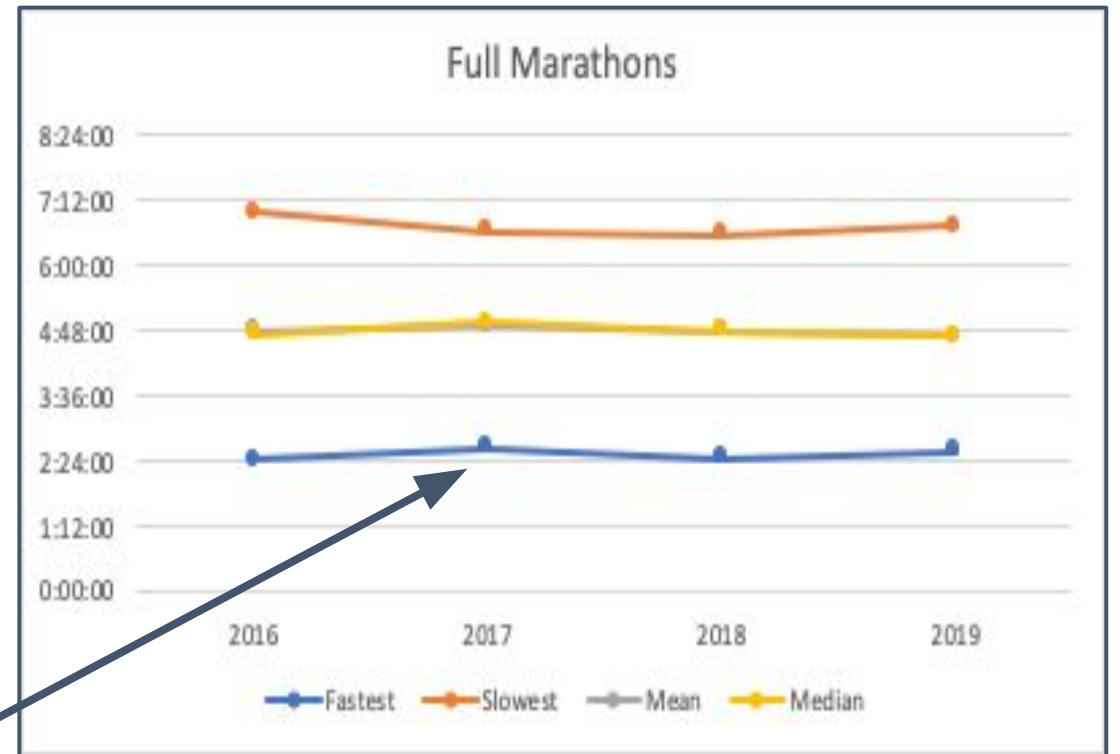
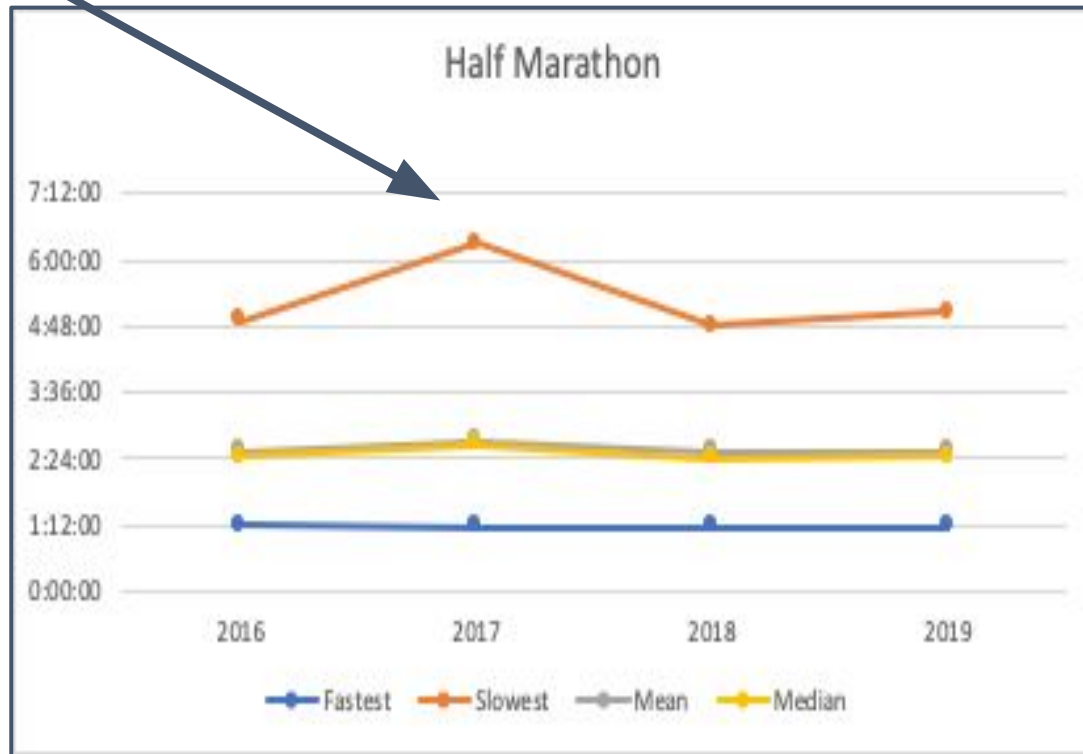
Quartiles



	2016	2017	2018	2019
First Q	2:08:18	2:18:17	2:07:21	2:07:04
Second Q	2:26:18	2:39:34	2:25:32	2:26:07
Third Q	2:50:11	3:05:10	2:51:16	2:51:30

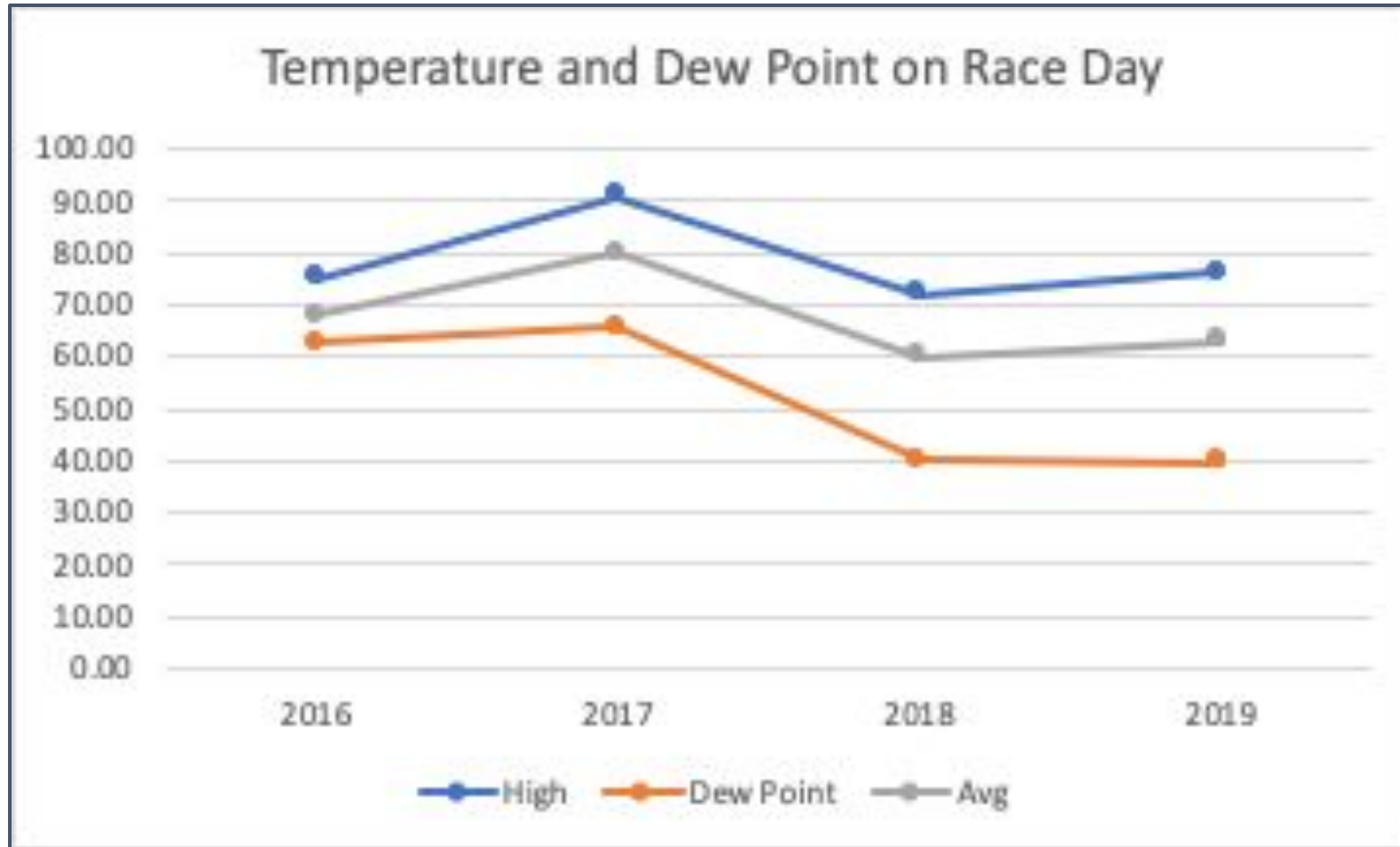


Run Times (Year-to-Year Trend Lines)



Graphs show biggest time change occurred in 2017

Weather Hypothesis



Top 3 Marathon Finishers

Name	2016	2017	2018	2019
Scott Wietecha	2:25:42	2:40:25	2:28:16	2:34:59
Brian Shelton	2:34:43			
Christopher Capps	2:38:43			
Ryan Regnier		2:56:28		
Daniel Everett		3:00:55		
Garang Madut			2:29:52	
Kevin Fink			2:38:59	
Jordan Wilson				2:35:24
Steelton Flynn				2:39:59



Scott Wietecha

BONUS METHOD

Step 1

Reorder columns for VLOOKUP

Step 2

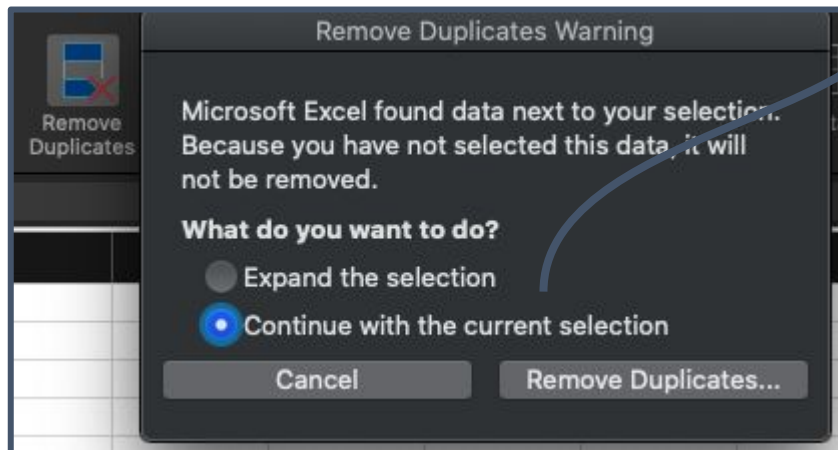
VLOOKUP with SMALL() function

`=VLOOKUP(SMALL(D:D,1),D:E,2)`
`VLOOKUP(lookup_value, table_array, col_index_num, [range_lookup])`

`=(SMALL(D:D,1)`
`SMALL(array, k)`

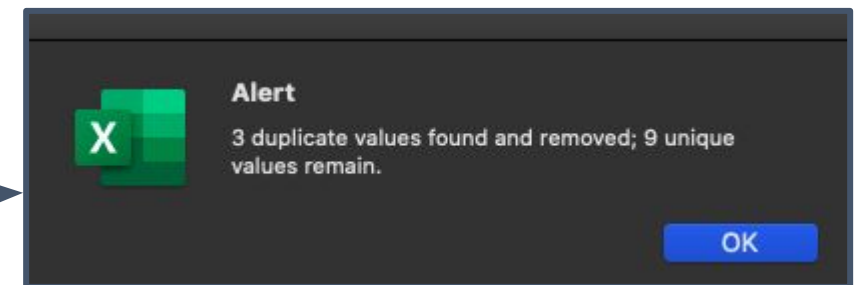
Step 3

Remove Duplicates



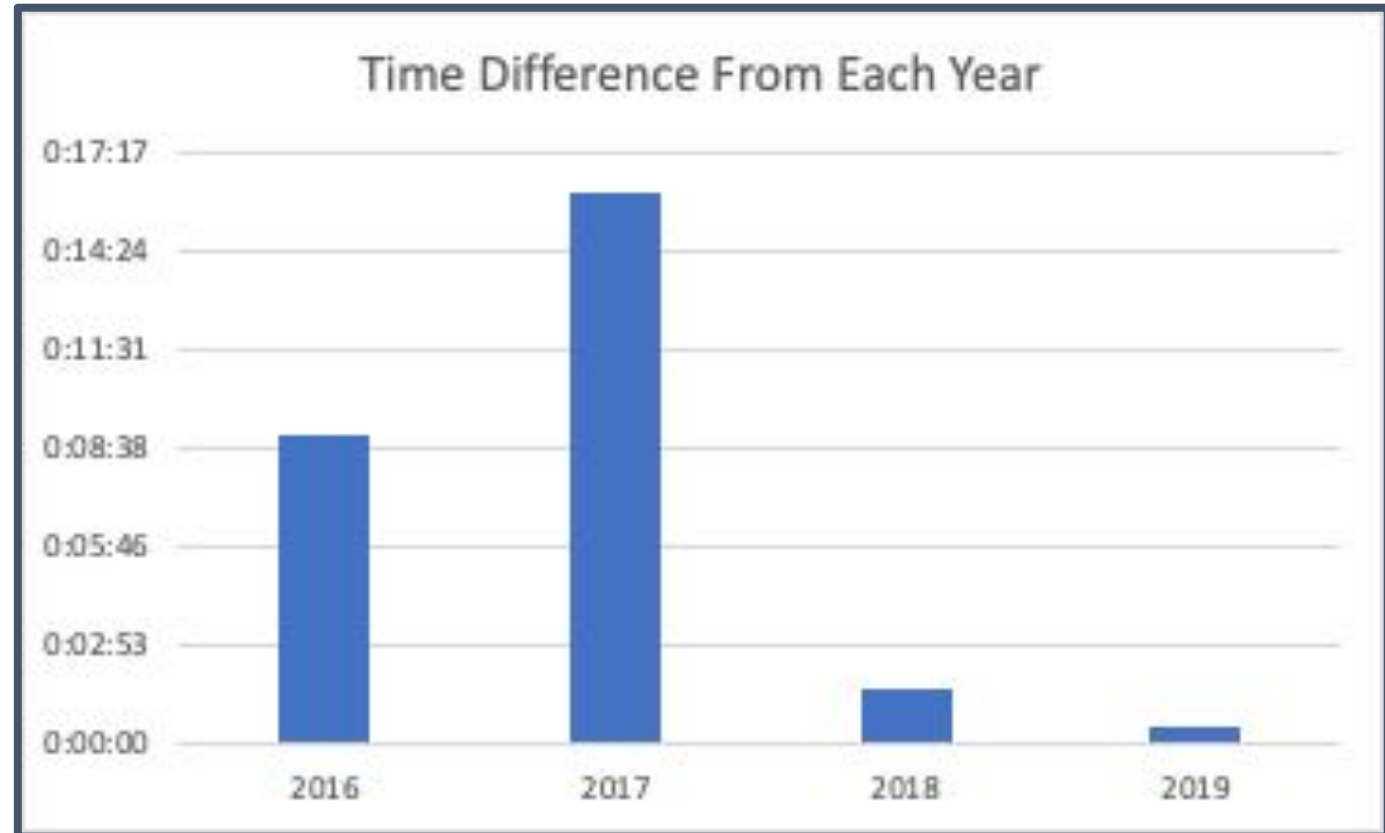
`=VLOOKUP(SMALL(D:D,1),D:E,2)`

D	E	F	G	H
Time	Name	Year		
2:25:42	Scott Wietecha	2016		BONUS Question
2:34:43	Brian Shelton	2016		2016
2:38:43	Christopher Capps	2016		Scott Wietecha
2:45:06	Jason Grimes	2016		Brian Shelton
2:47:28	David Adams	2016		Christopher Capps
2:47:36	Matthew Meinema	2016		
2:48:22	Seth Carley	2016		2017
2:52:19	Ben Becker	2016		Scott Wietecha
2:53:38	Jonathan Mason	2016		Ryan Regnier
2:53:48	Matt Treat	2016		Daniel Everett
2:55:49	Kevin Selinsky	2016		
2:56:56	Cole Bataille	2016		2018
2:58:53	Joseph Shields	2016		Scott Wietecha
2:59:09	Melanie Kulesz	2016		Garang Madut
2:59:30	Kieran Frost	2016		Kevin Fink
2:59:51	Brian Wiest	2016		
3:00:26	Braden Robbins	2016		2019
3:01:09	Bo Brewer	2016		Scott Wietecha
3:01:23	Bryan Larison	2016		Jordan Wilson
3:04:49	Megan Hovis	2016		Steelton Flynn



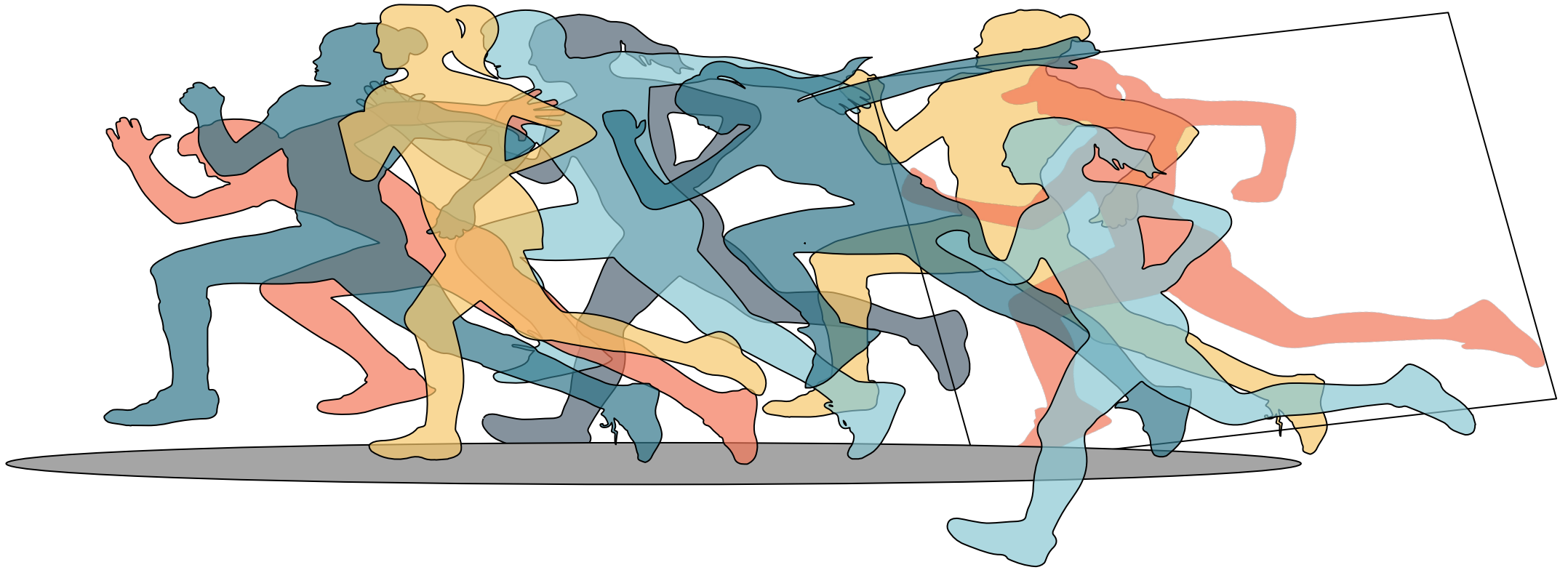
Comparing Scott's Time with Runner Up

Year	Time Diff
2016	0:09:01
2017	0:16:03
2018	0:01:36
2019	0:00:25



Top 3 Marathon Times by Year





Questions?

Presented by Heather, Jeff, Katie, Sreyas