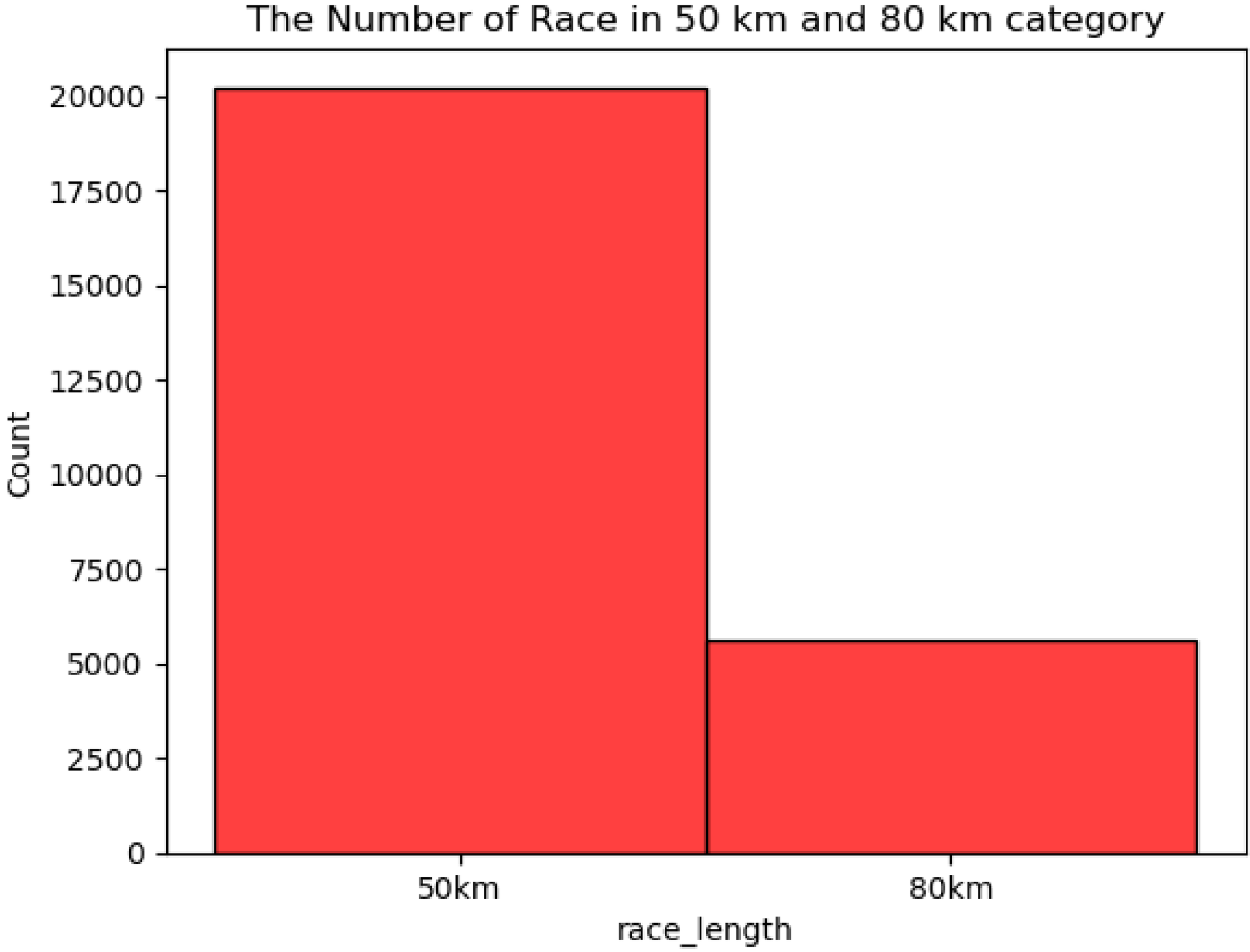
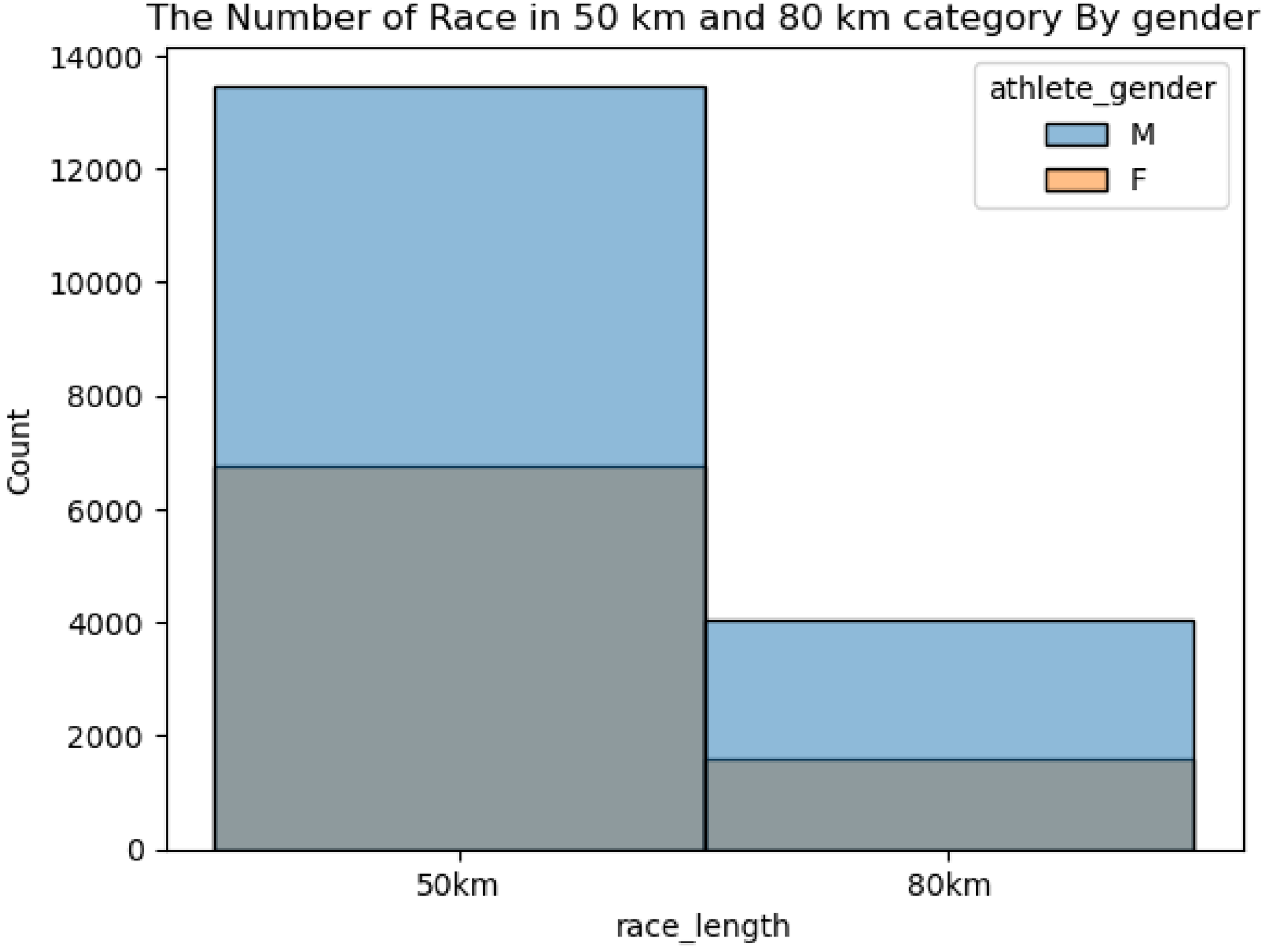
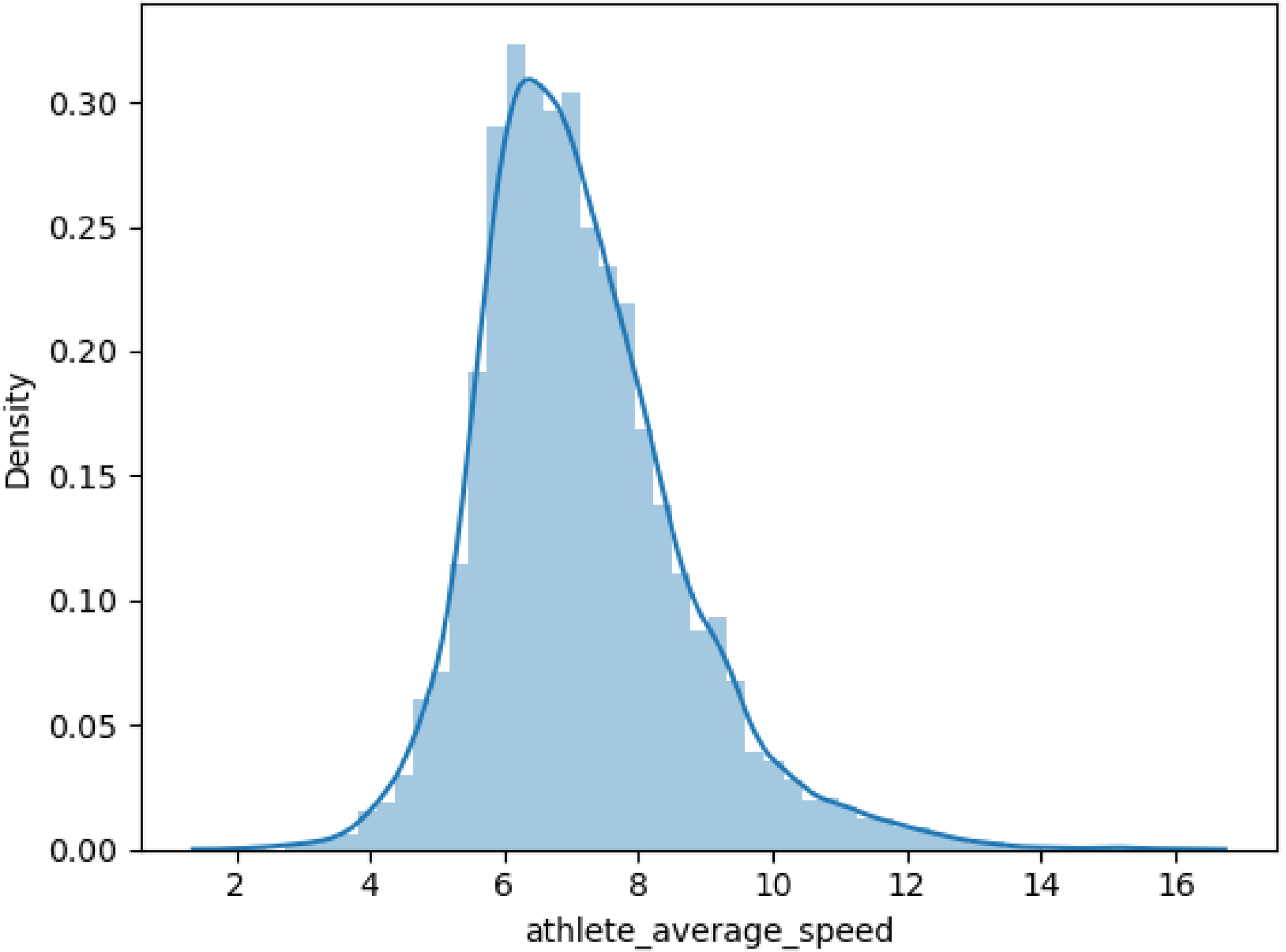
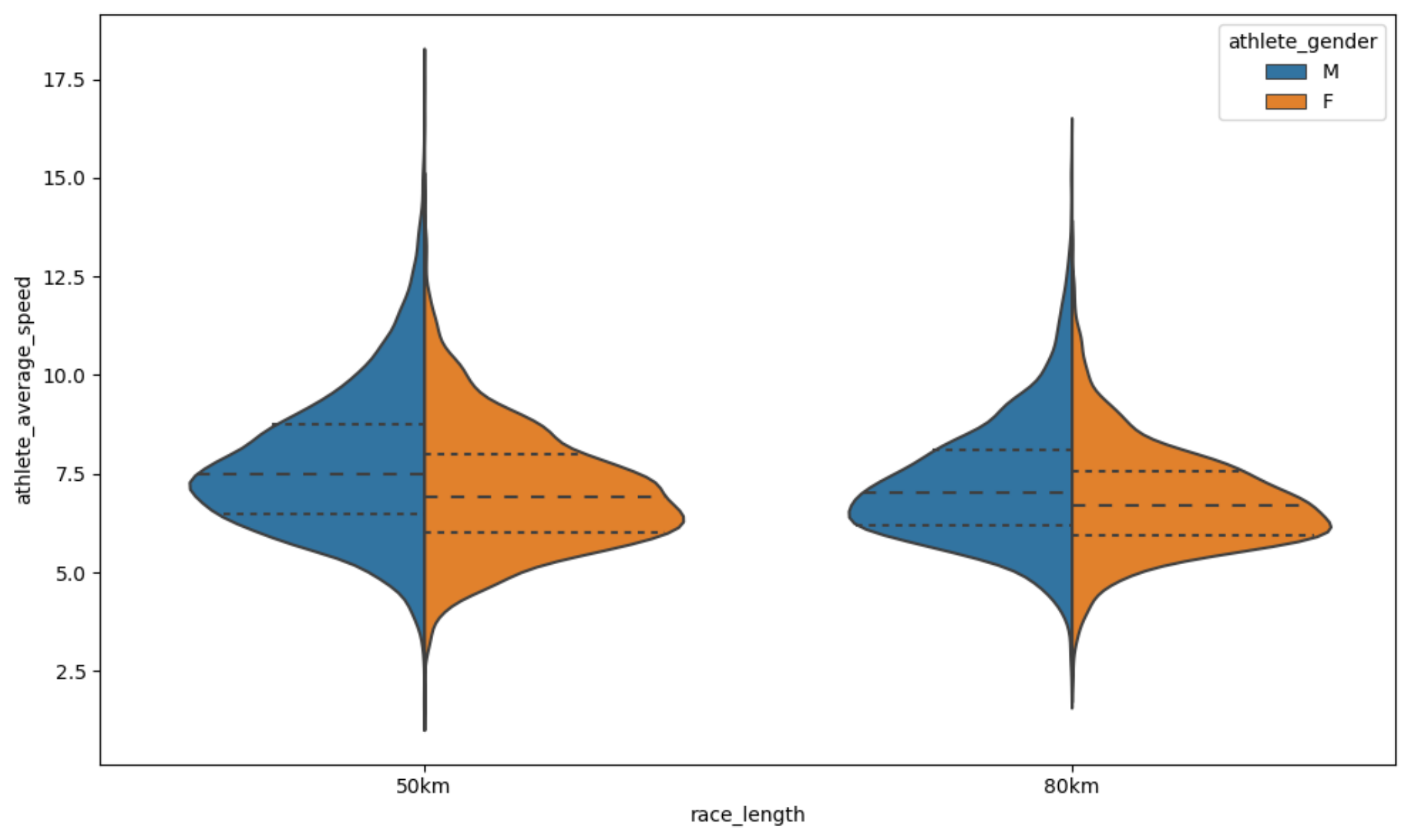
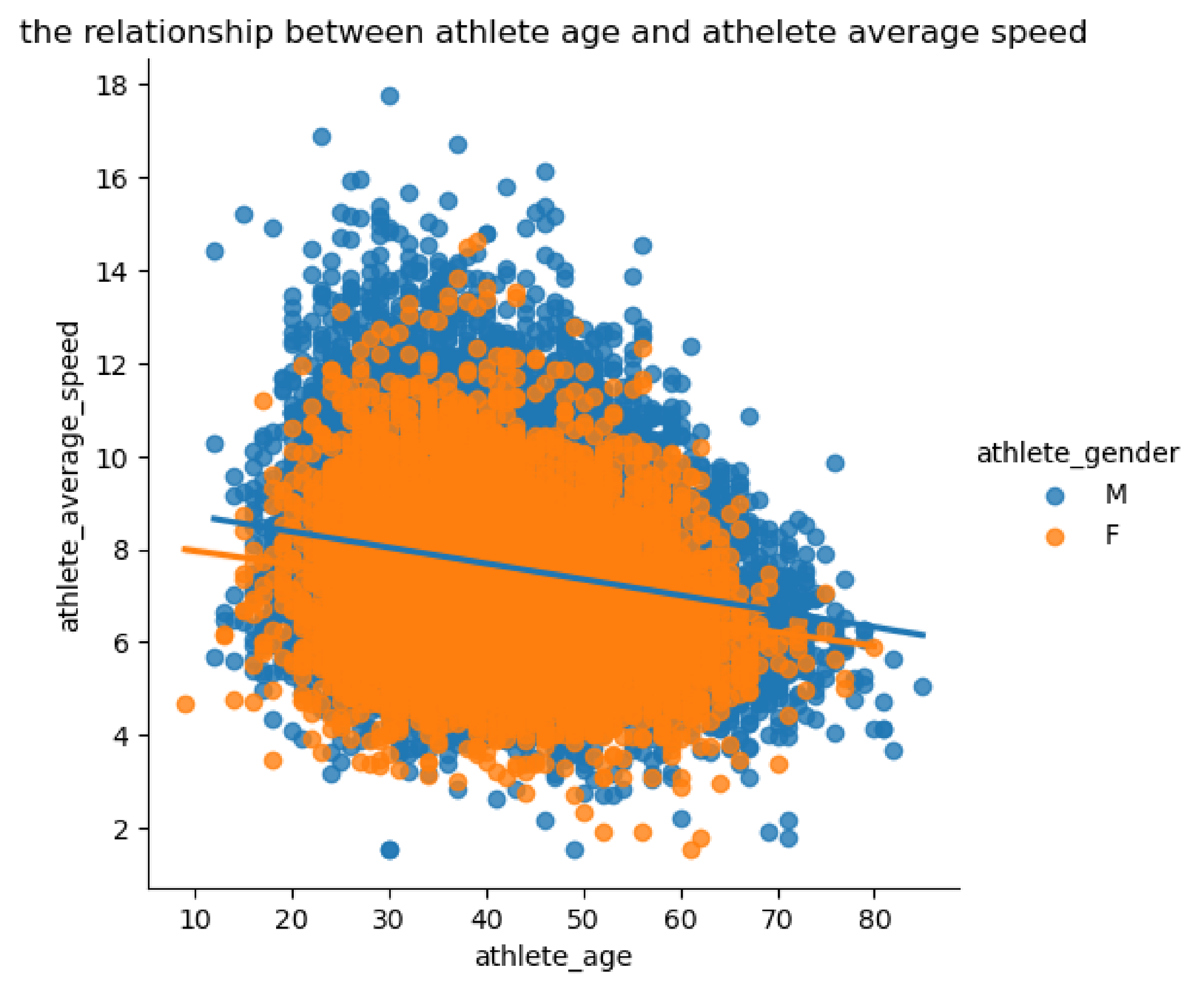
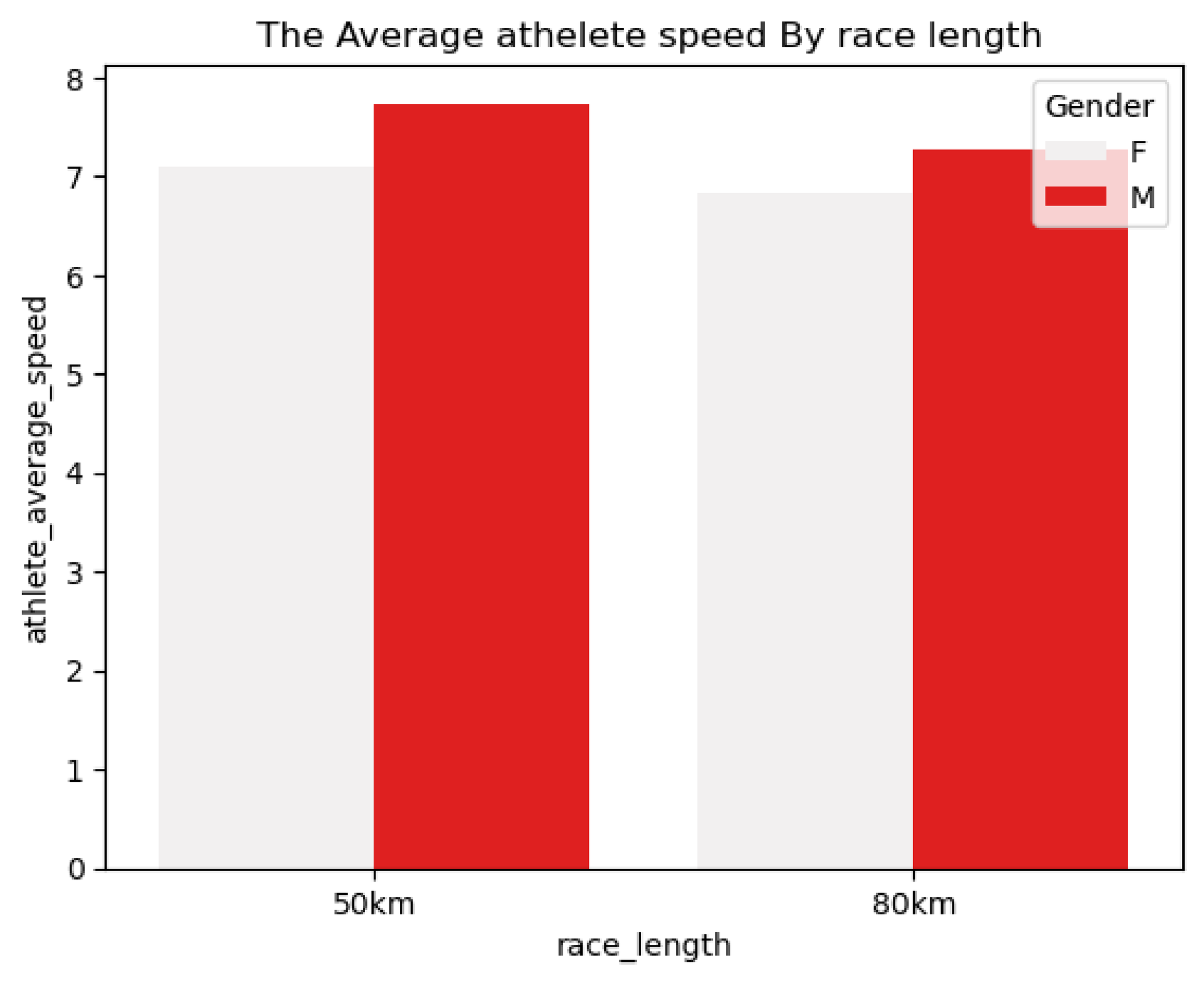

The Number of Race in 50 km and 80 km category
20000
17500
15000
12500
10000
7500
5000
2500
0
Count
50km
80km
race_length


The Number of Race in 50 km and 80 km category By gender
athlete_gender
M
F
14000
12000
10000
8000
6000
4000
2000
0
Count
50km
80km
race_length

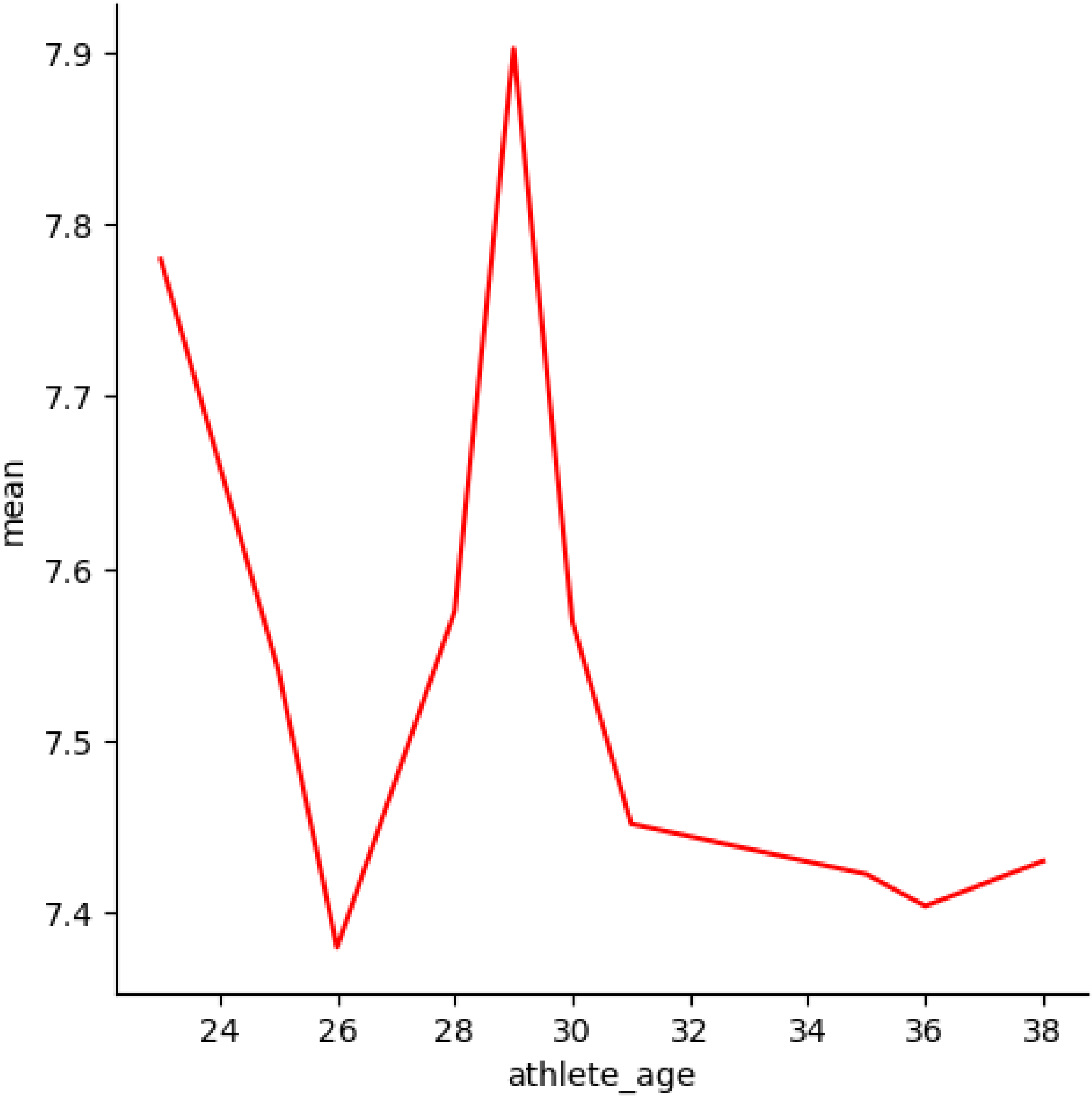

0.30
0.25
0.20
0.15
0.10
0.05
0.00
Density
2
4
6
8
10
12
14
16
athlete_average_speed


athlete_gender
M
F
athlete_average_speed
17.5
15.0
12.5
10.0
7.5
5.0
2.5
50km
80km
race_length

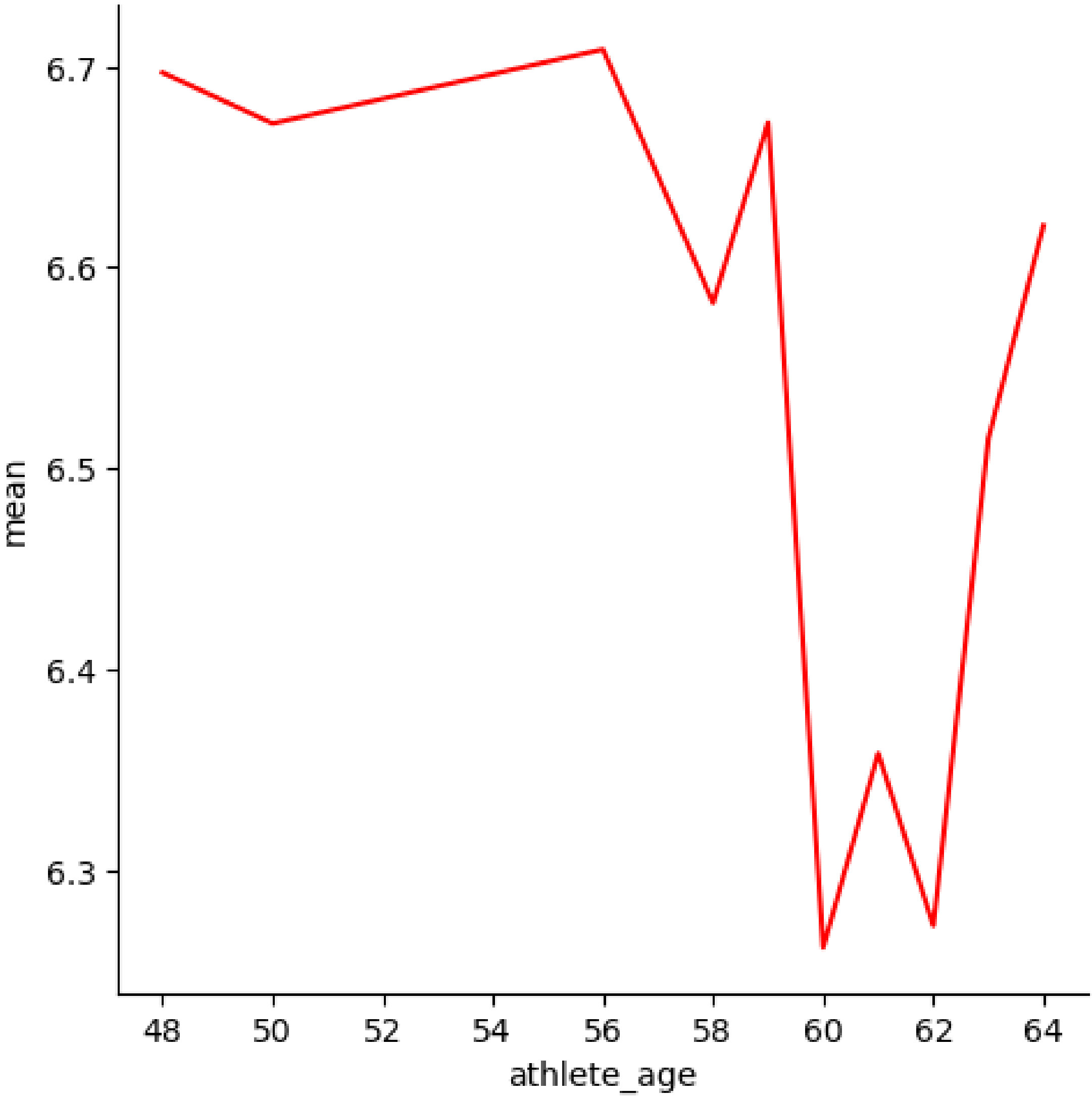

the relationship between athlete age and athelete average speed
athlete_average_speed
18
16
14
12
10
8
6
4
2
10
20
30
40
50
60
70
80
athlete_age
athlete_gender
M
F

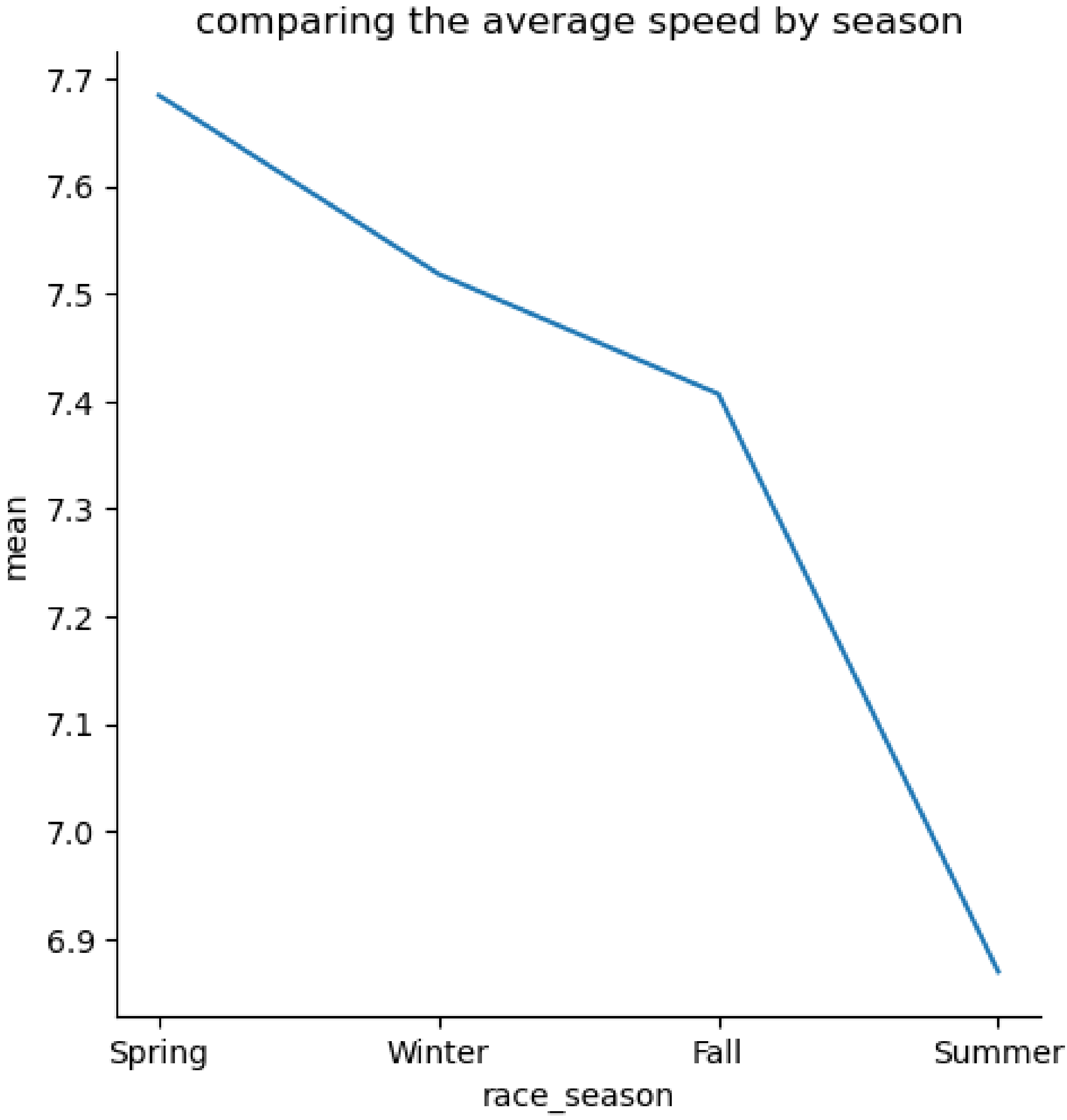

The Average athelete speed By race length
Gender
F
M
athlete_average_speed
0
1
2
3
4
5
6
7
8
50km
80km
race_length

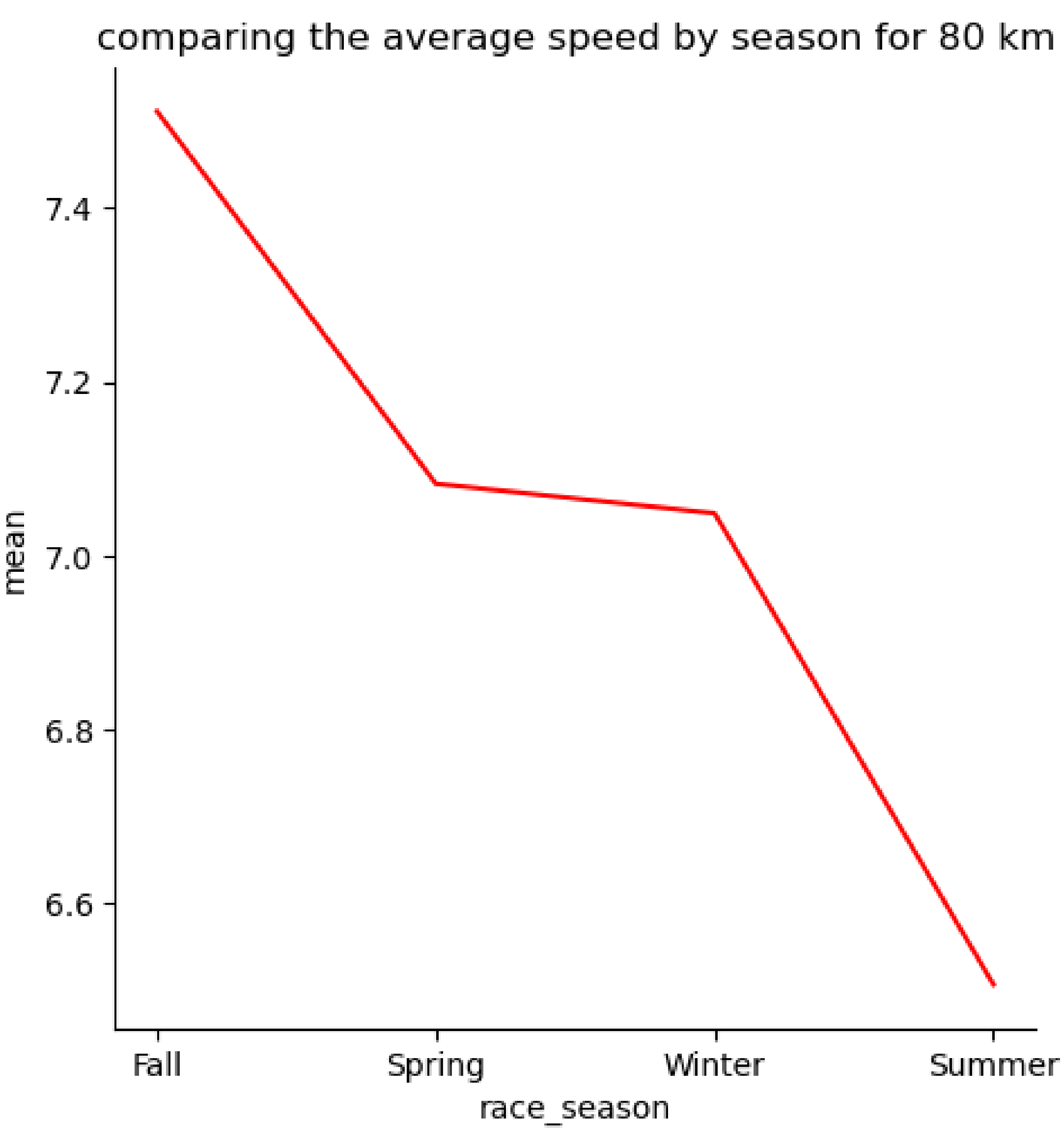
Relation between The age and the average speed



Relation between The age and the average speed




comparing the average speed by season
mean
7.7
7.6
7.5
7.4
7.3
7.2
7.1
7.0
6.9
Spring
Winter
Fall
Summer
race_season


comparing the average speed by season for 80 km
mean
7.4
7.2
7.0
6.8
6.6
Fall
Spring
Winter
Summer
race_season