

OUTPUT:

Please enter the file name along with the file type (i.e. file_name.file_type): hot_laps.csv

Please enter a list of distances for which you want to know the velocity, separate using commas: .4, .5, 1.4

The velocity at distance 0.40 mi. for Helio Castroneves is: 61.47 mi./h

The velocity at distance 0.50 mi. for Helio Castroneves is: 102.34 mi./h

The velocity at distance 1.40 mi. for Helio Castroneves is: 149.16 mi./h

The velocity at distance 0.40 mi. for Juan Pablo Montoya is: 77.42 mi./h

The velocity at distance 0.50 mi. for Juan Pablo Montoya is: 100.11 mi./h

The velocity at distance 1.40 mi. for Juan Pablo Montoya is: 142.00 mi./h

From looking at the data I believe the driver is slower in:

Sect 7

Sect 12

Sect 20

Sect 31

Sect 42

Sect 48

Sect 53

Sect 56

Sect 62

FIGURES a- c:

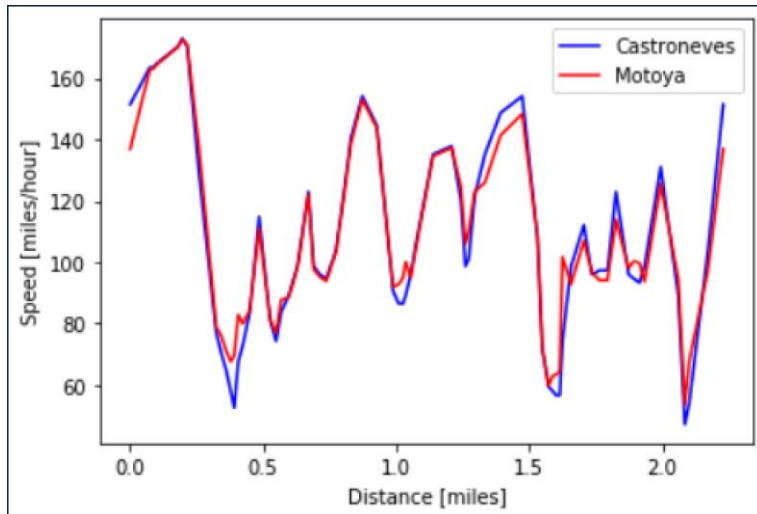


Figure a.

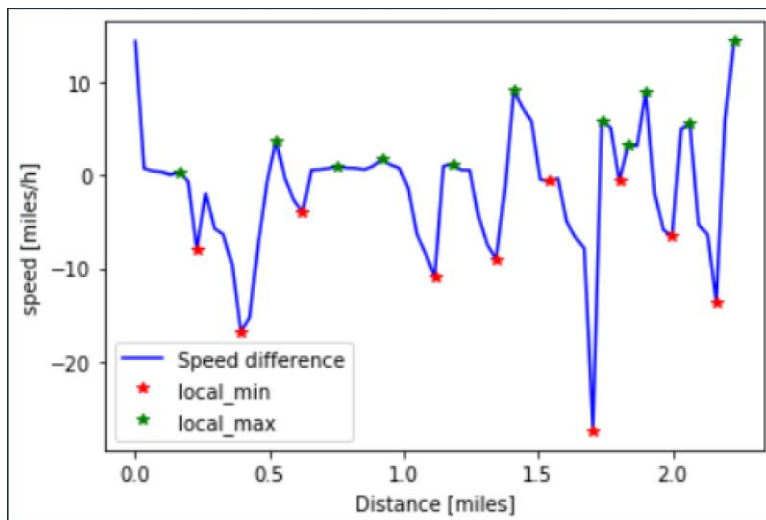


Figure b.

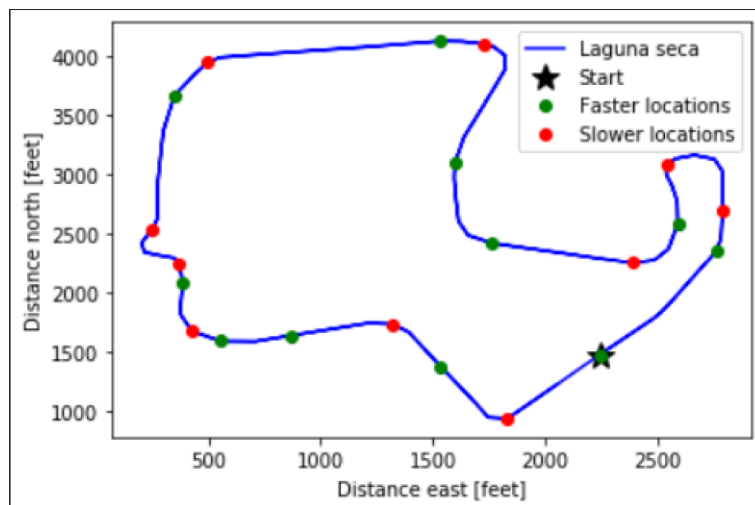


Figure c.