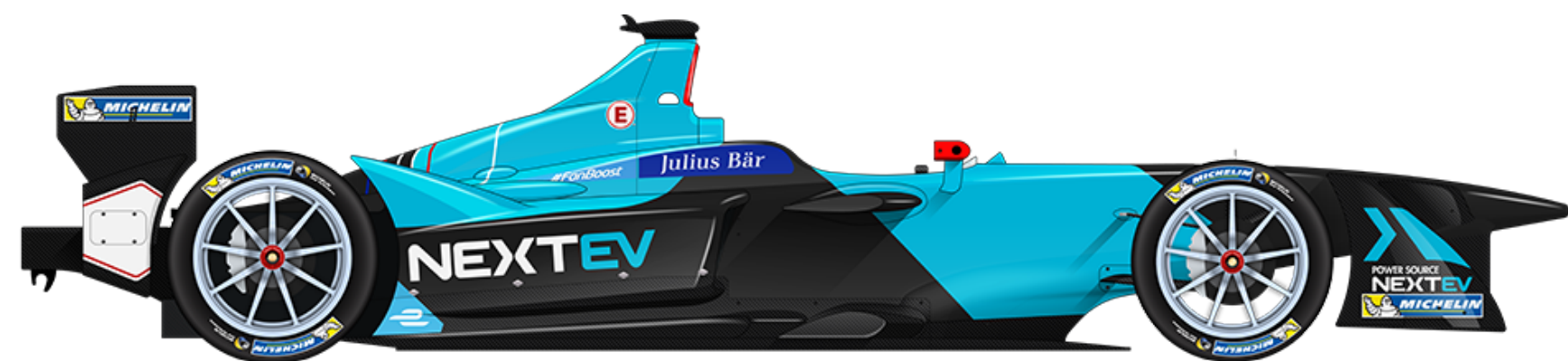


FORMULA E IN NUMBERS



The following data visualizations reflect information contained in the “Formula E Results” dataset from FIA Formula E, an electric-car auto racing championship. Data pertains to race results from 2014-2016, as well as pilot, circuit, and race characteristics. The set includes nineteen (19) columns and 2,509 rows of information. The data collected is used to track racer performance, as well as to identify circuit competitiveness, trends in speed, and to yield other insights which can help to optimize team and circuit formation.

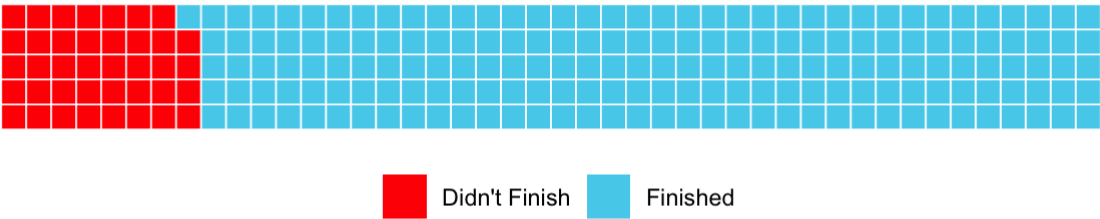
This report contains the following visualizations: Waffle Charts, Boxplot, Dumbbell, Density Chart, Scatterplots, and Small multiples.

[Click here for
online version](#)

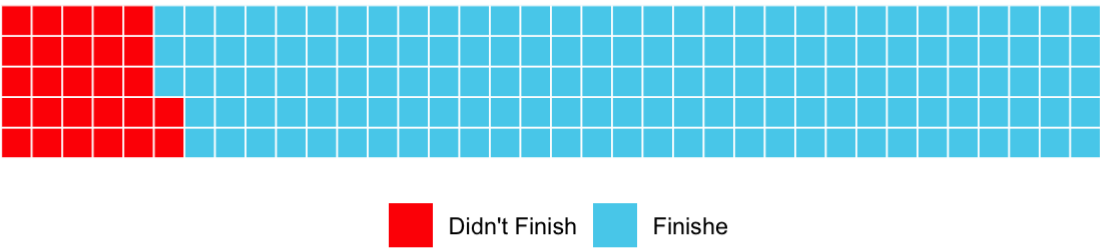
Dataset:

[https://gist.githubusercontent.com/Furqs92/5557470f8717d3009ef06acf43fce0cf/
raw/8b80ee7b2a40eea8f71a34f9afa2087dd8b586e9](https://gist.githubusercontent.com/Furqs92/5557470f8717d3009ef06acf43fce0cf/raw/8b80ee7b2a40eea8f71a34f9afa2087dd8b586e9)

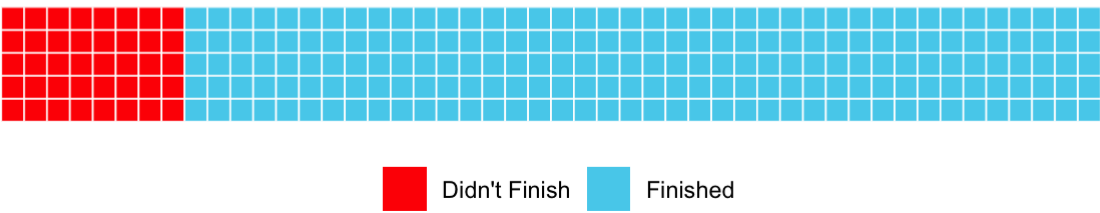
Race Finishes 2014



Race Finishes 2015



Race Finishes 2016

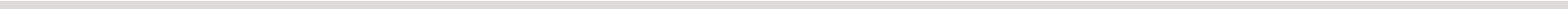


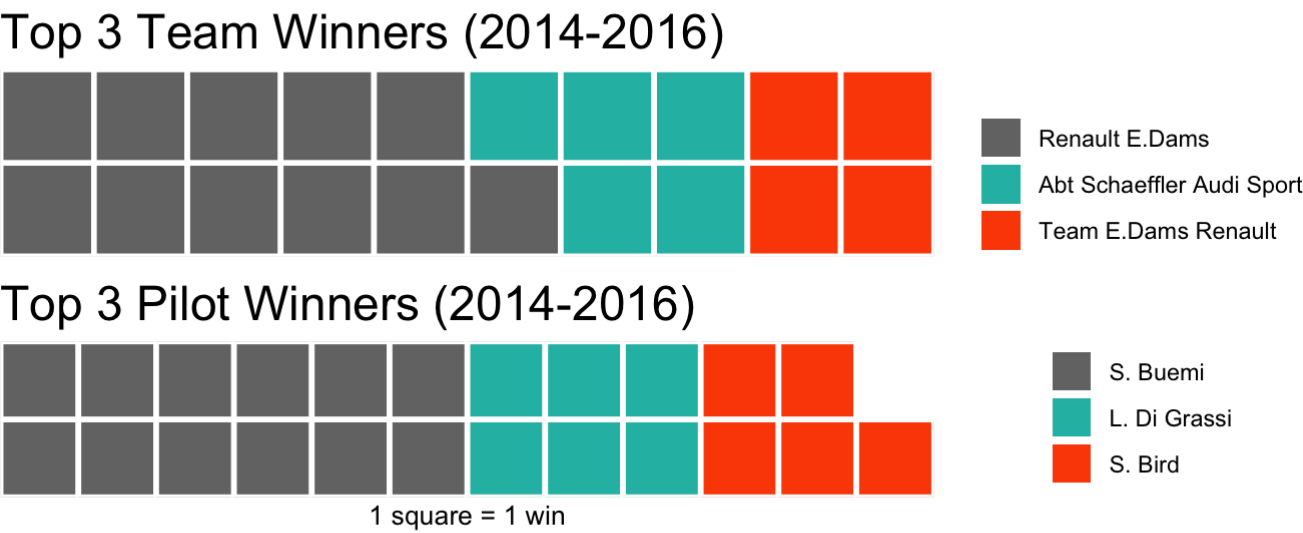
**Did it ever occur to
you how many
drivers do not finish
the race?**

Some drivers may not
finish the race because of
following reasons:

- Mechanical failure
- Car accident
- Suspension from race

1 Square = 1 Driver/Circuits

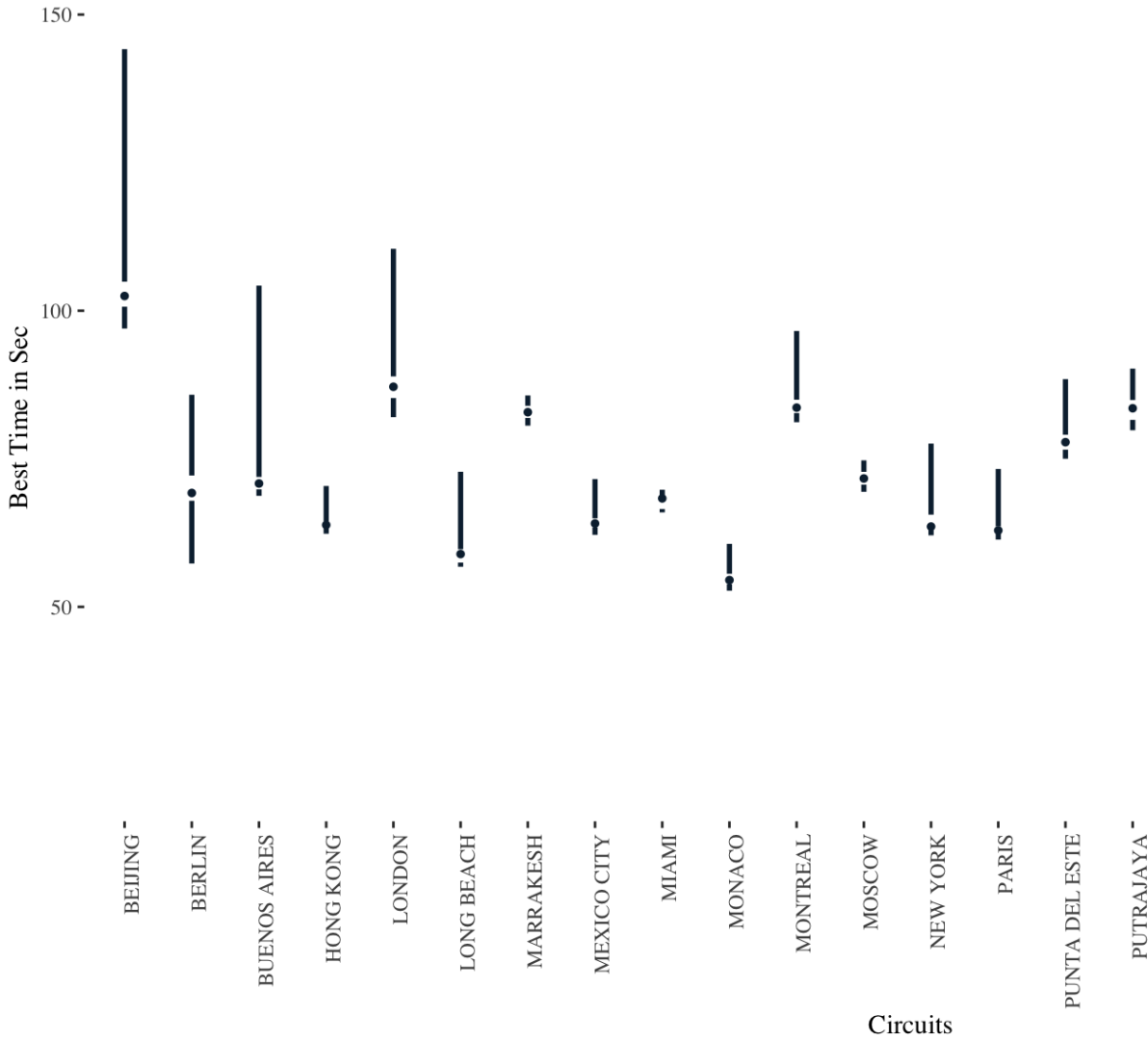




Who have been the dominant teams and drivers over the past three years?

1 square = 1 win/Circuits



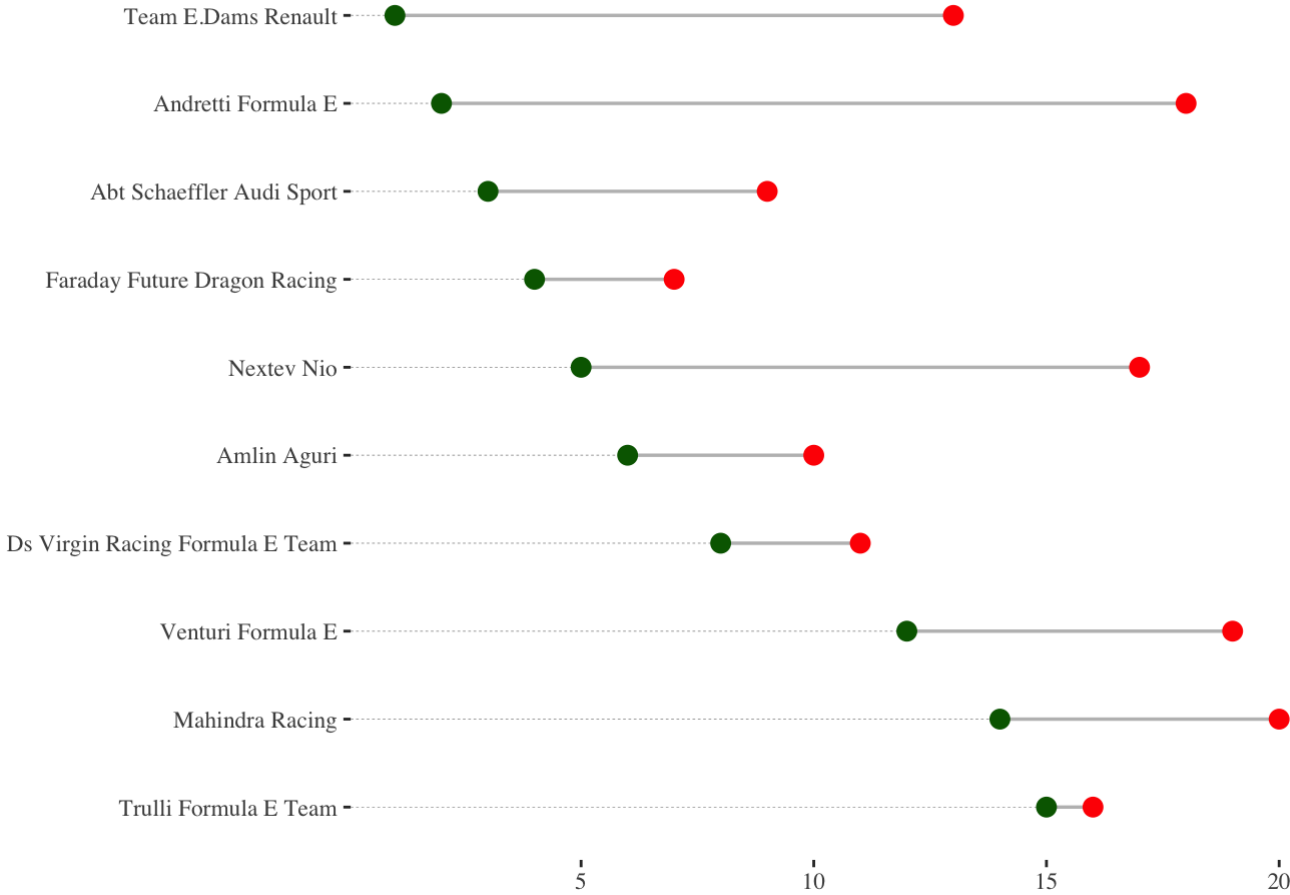


Not all circuits are equally competitive!

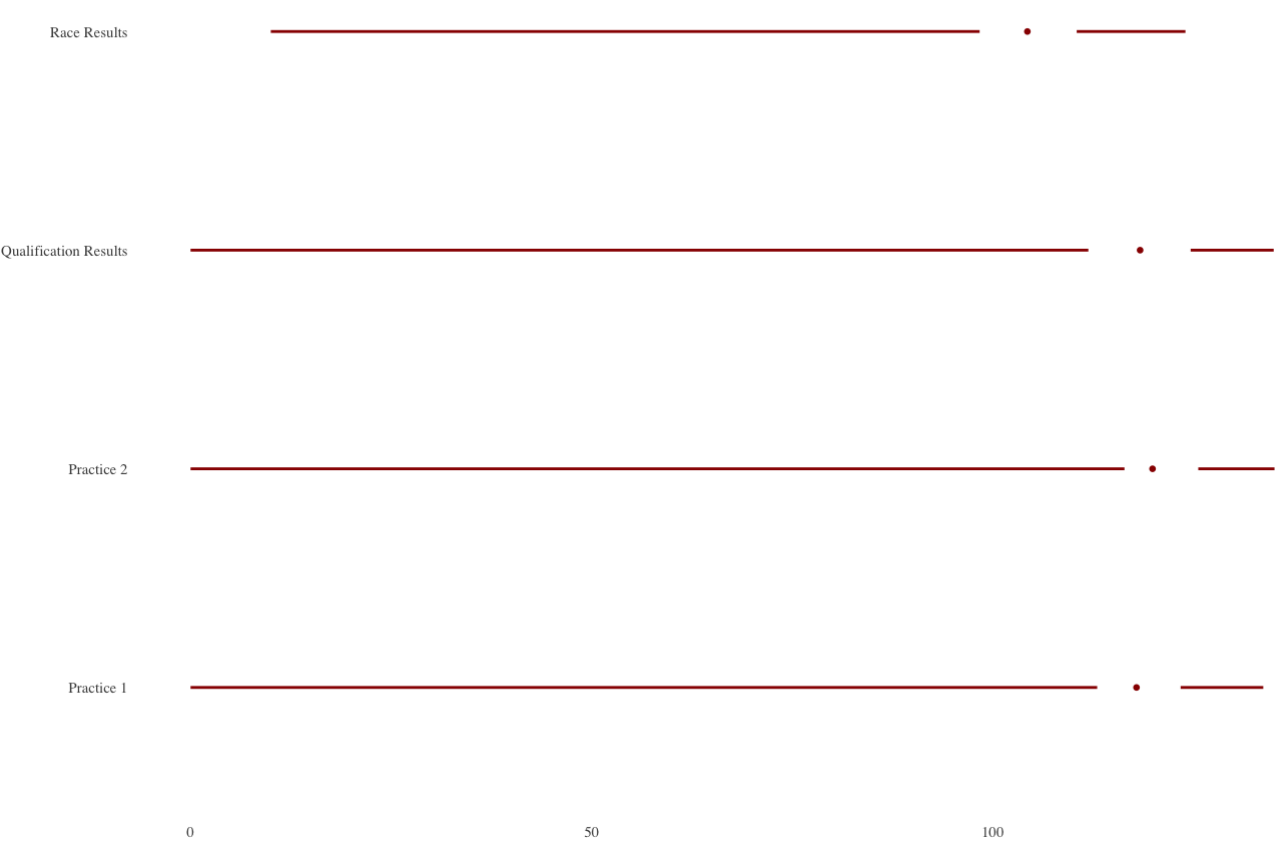
Which one is the least competitive?

Beijing is the least competitive circuit as it has the widest spread, which is equivalent to saying that drivers performed differently during the race. Whereas, Miami has a very narrow spread, which means that drivers were close to each other.

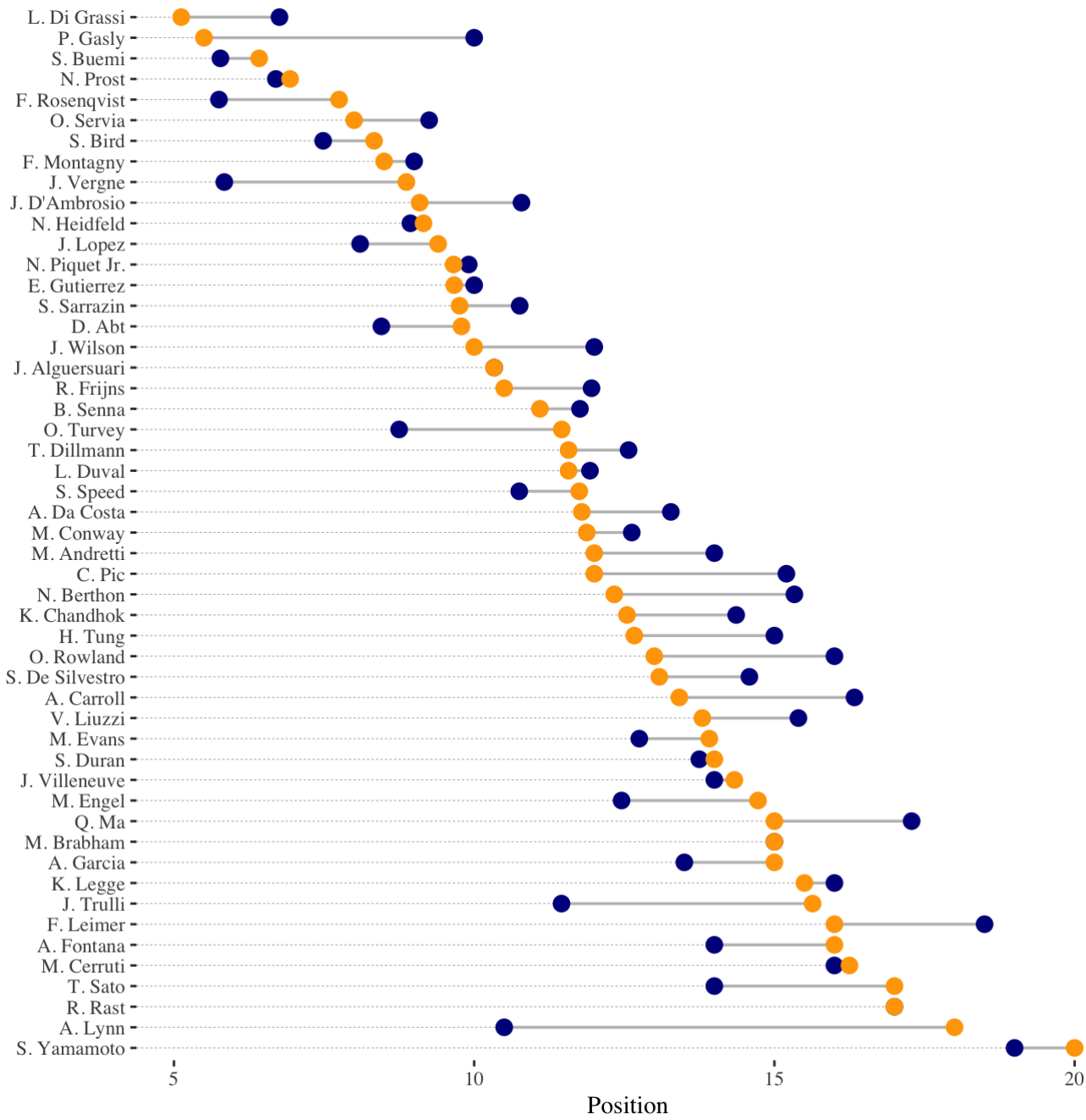
Miami in Depth



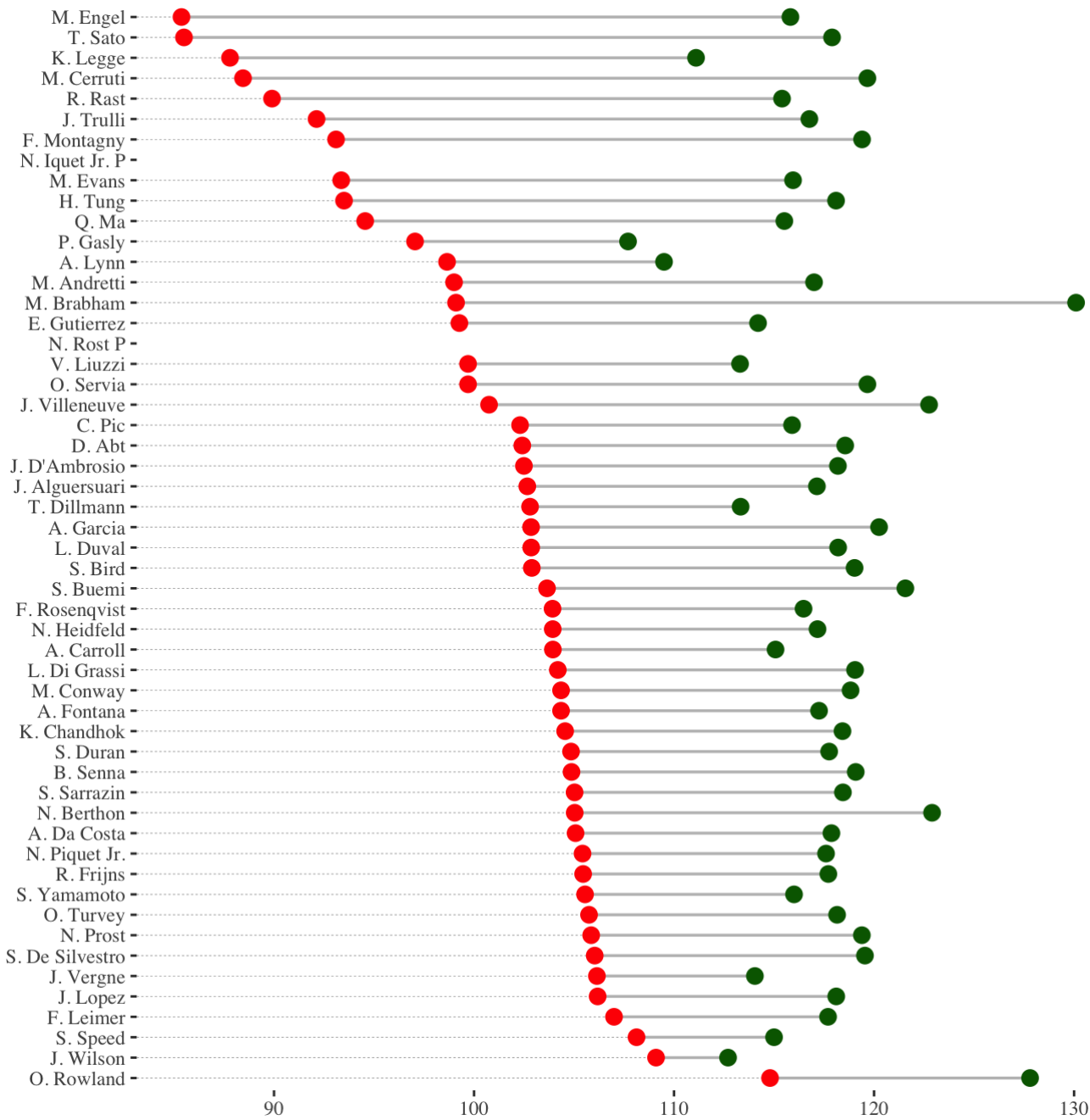
Highst Rank
vs. Lowest Rank by
team



Does the maximum speed increase in Races ?



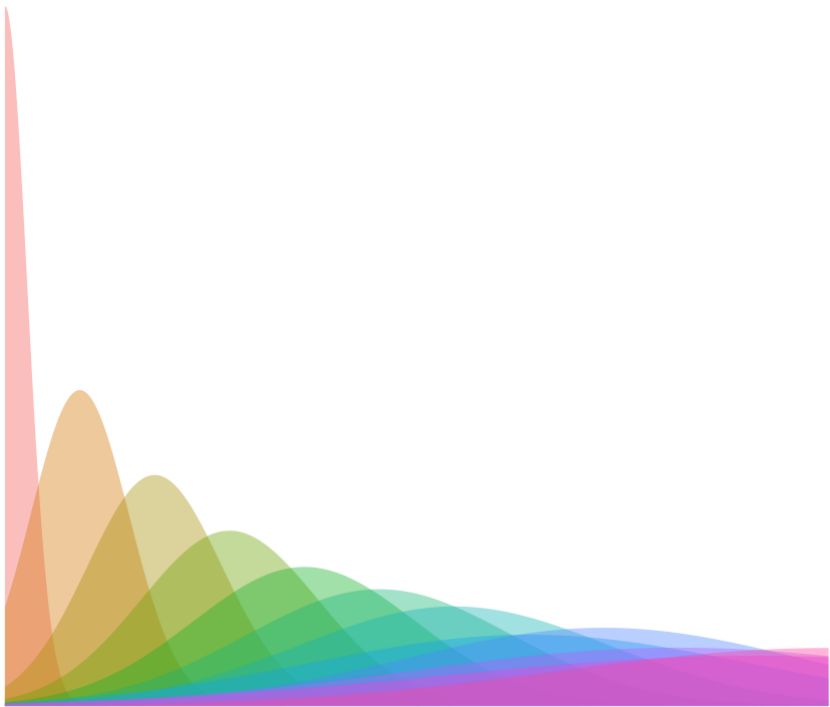
Position in Qualifications vs. Race (by pilot)



Speed in Practice vs. Race (by pilot)

Do you think drivers pace more in Race compared to practice?

Fact: Drivers are faster during practice because there are no competitors and they do not need to be concerned about low fuel and burning tires

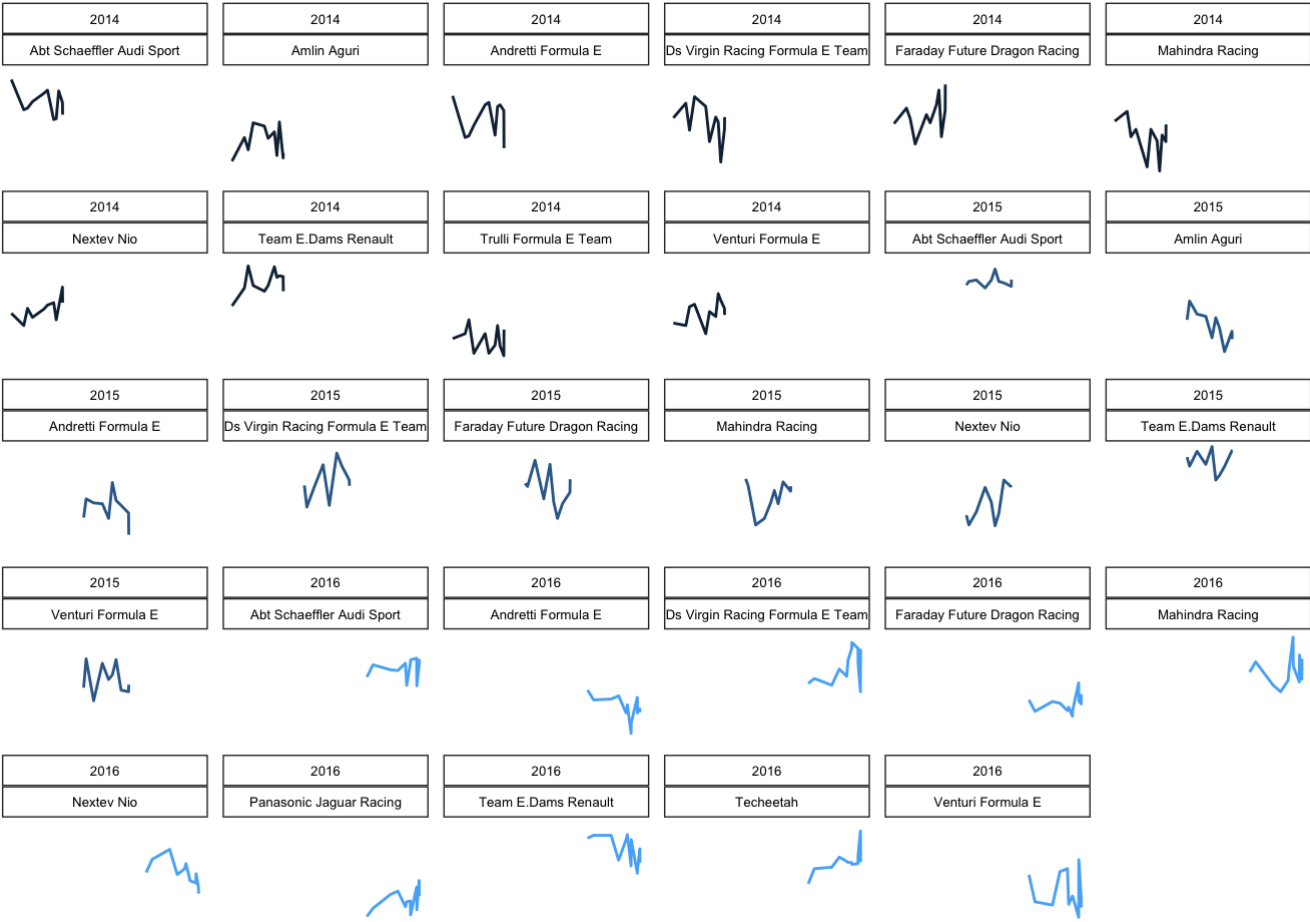


- Team
- Abt Schaeffler Audi Sport
 - Amlin Aguri
 - Andretti Formula E
 - Ds Virgin Racing Formula E Team
 - Faraday Future Dragon Racing
 - Mahindra Racing
 - Nextev Nio
 - Panasonic Jaguar Racing
 - Team E.Dams Renault
 - Techeetah
 - Trulli Formula E Team
 - Venturi Formula E

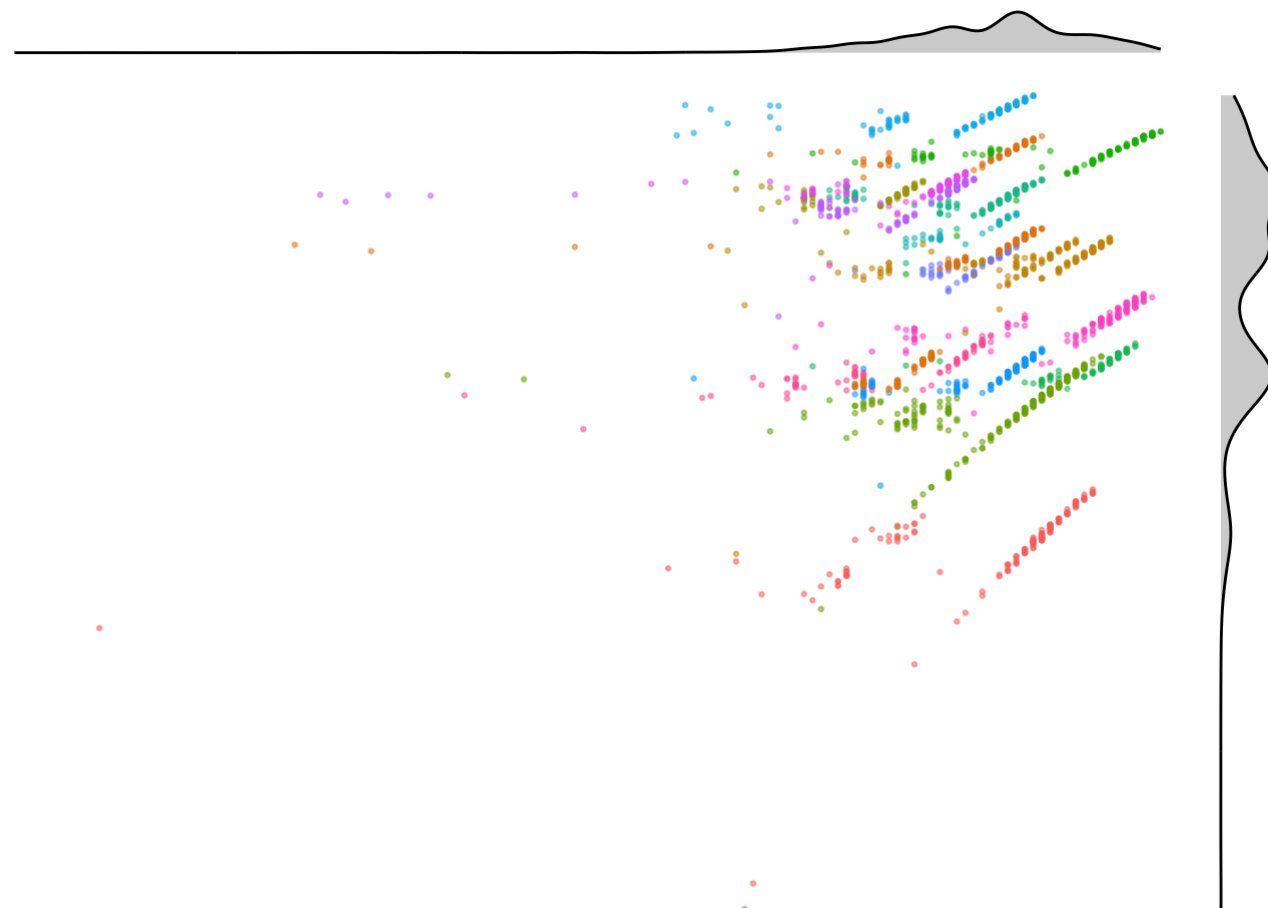
Team participation over time

Team Abt. Schaeffler Audi sport has clearly participated in more races relative to Virgin Racing Formula E team





How has each time ranked over time ?



How fast does pilots drive in different circuits ?

The graph shows inverse relationship between average speed and best time in a circuit. As average speed increases, best time in a circuit reduces.

Created by Workgroup 0-1-5
Data Viz Class
MBD-18