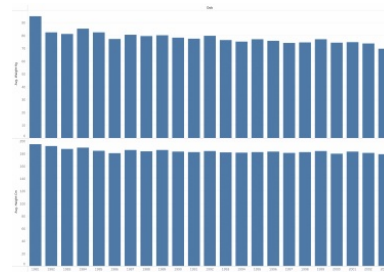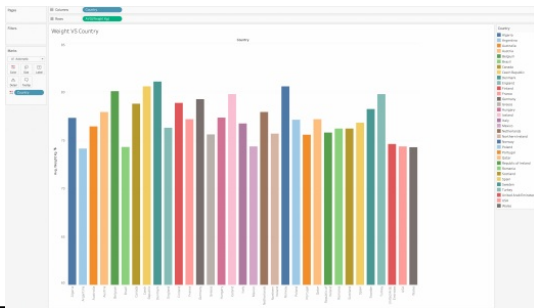# FIFA World Cup

The most prestigious tournament in the world of soccer is the FIFA World Cup. The championship has been awarded every four years since the start of the tournament in 1930s, in 2018 it was hosted in Russia. The FIFA World Cup will be played in Qatar, from November 20 to December 18 of this year. With the matches taking place towards the end of November, our group found this topic to be relevant given the timeframe and popular for those who are die-hard soccer fans.

Can we create a model that allows users to predict the 2022 FIFA World Cup winner based on past information and players characteristics?

One of the following characteristics is weight. Can weight have an effect on a soccer players abilities during a game? What about their height or even their age? The following graphs are from the data that was used for this project showing results of the characteristics picked for this model

Findings:

Brazil has the lowest average height for their 2022 players / Denmark has the highest average height for their players.
England has the lowest average age for their 2022 players / Turkey and Iceland are tied for having the highest average age for their players.
Argentina has the lowest average weight for their 2022 players / Denmark has the highest average weight for their players.

One factor to acknowledge:

Even though there are differences when it comes to the player's attributes (height/weight/age), we don't see very much change when you compare birth year (dob) with height and weight. The only differences occur when you compare the same attributes with the player's country.