Udacity – Data Analyst Nanodegree

World Cup 2018 Team Stats

by Thomas Tang

Create a Tableau Story

Design:

I primarily wanted to explore which team stats were good predictors of successful teams at the 2018 World Cup. I am not a soccer fan so I started with using the data to determine which teams advanced to the Semi-Finals and called this the "Final 4 Teams". I then used bar charts to explore each team stat from the dataset to see which stats these Final 4 Teams excelled in. Obviously, goals per game would be the easier indicator, but I wanted to explore "what else".

Final Draft:

https://public.tableau.com/profile/thomas.t7330#!/vizhome/WorldCup2018TeamStats/Story1

Findings:

The final 4 teams averaged more goals per game than other teams. This is not surprising.

The final 4 teams generally had more shots-on-goal and completed more passes.

Surprisingly, the final 4 teams generally performed less tackles and did not dominate ball possession. Tackles were the only other team stat (besides average goals per game) that predicted success in the 2018 World Cup. Perhaps that results in less pressure because the more you have the ball, the more you're expected to do something (such as to score).

First Draft:

https://public.tableau.com/profile/thomas.t7330#!/vizhome/WorldCup2018TeamStats-FirstDraft/Story1

Feedback from First Draft:

I asked a couple soccer fans for feedback and below were their questions:

Besides obvious stats like goals-scored, shots and passes, what other team stat did successful teams excel in?

- I reviewed all the other team stats and found that number of tackles was inversely related to team success at the 2018 World Cup

Could we highlight another team, instead of just the top 4 teams? (Germany-fan)

- Added a Dashboard highlighting a team of the user's choice