

## Written Deliverables

### Project Proposal

Intro the topic

inspiration

colors

what you are predicting

basic design concepts for dashboard

Roles and responsibilities

### Full, written analysis

#### **Intro the topic**

Topic Intro: We want to use previous World Cup data along with our own power metrics to try and make a mock World Cup bracket. We will use machine learning to train the models and predict what the results of the group stage will be, then the elimination rounds.

Most of us are sports fans and if not then we are all interested in current events happening around the world. The FIFA World Cup begins this Fall in Qatar and many fans will be tuning in. In 2018 it was estimated that a combined 3.57 billion viewers watched the World Cup which is almost half the world's population. Throughout the bootcamp we have seen examples of how data science can be applied to sports and we thought we would do something similar. There is a ton of historical data that we can use to build our machine learning model, in hopes to predict certain outcomes within the World Cup.

inspiration

any hypotheses or expectations you had

EDA SECTION (outliers, shape of data, etc)

DATABASE SECTION (ERD, foreign/primary keys)

ML SECTION (discuss the entire modelling process)

TABLEAU SECTION (discuss designs, how to use the dashboard, observations, etc)

*\*jackson to fill out this piece\**

Web App Section (what does the website look like, and how can it be used?)

Conclusions/call to action

limitations and future work

Include plenty of images, tables, etc. You can use an appendix

### Executive Summary

- No more than 2 pages (one pager)

- Summarize the entire written report in 2 pages - for a CEO, etc

- Try and still have an image or 2 to break it up

- Don't forget call to action

### Slide Deck for presentation (if needed)

- Similar to the report, break to demo the app, return for conclusions