

Homework Week 1 - Due Monday of Week 3

INSTRUCTIONS

- Create a definition statement / question for your DAP Capstone example:
 - I want to build a data analysis that answers the following question about (insert some or other subject here): My question is this ...(insert your question here ...).
- Write a Definition of the Audience / type of personas that might be interested in this analysis
- What datasets do I need to help me answer the above question for my particular audience? (1000 cells min)
- Choose any publicly Internet-available dataset(s)
- What research do I need to do to find data sources for my Capstone?
- List resources researched: (links to websites / materials)
- Note what you like about each resource and why you chose it
- Name other reference sources you want to consult

What question is your data going to solve?

My Capstone Question is : Is the best defense actually a good offense in college football.

Questions to help me answer this question >>

Does the number of plays your team runs offensively, effect how your defense performs?

Does time of possession effect how your defense ranks overall?

Do PPG rankings align with your teams overall ranking?

Is it more common that the top 25 finish the season with a higher ranked offense opposed to higher ranked defense?

Does your teams turnover margin have a correlation with your teams defensive ranking?

Definition of your audience

Football Coaches

Athletic Directors

Football Fans

What datasets do I need?

Team statistics from at least one full season

I would love to get data from multiple years (maybe 5) depending on how much time we have.

List out your datasets here:

<https://www.teamrankings.com/college-football/stat/average-time-of-possession-net-of-ot>

<https://www.ncaa.com/stats/football/fbs>

What do you like about each resource and why did you choose it?

This website shows the Time Of Possession stats in more detail

This website has all the team statistics

Pain points and frustrations