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Report 2

2/9/20

Key:

1. Research hot hand in basketball
2. NBA Injuries
3. Physical Attributes in NBA
4. Predicting collegiate players’ success in the NBA

1)

a)Combining research topics/questions 1 and 3. Include links to data, metadata.

Describe the attributes.

I can see how the streak or hot hand in basketball is related to physical attributes in players.

b) We can also relate 2 and 3. Please give a general idea.

To relate topic 2 and 3 I can see which players are the sturdiest based on their physical attributes and see if injury correlates with certain body types, height, weight, etc.

c) Lastly, I can relate topics 3 and 4, and kind of append the physical attributes and other data the NBA Draft Combine provides to the game statistics in predicting which college players will perform best in the NBA. Combining physical attributes with college statistics.

Physical Attribute Data:

<https://stats.nba.com/draft/combine-anthro/?sort=PLAYER_NAME&dir=-1>

<https://www.sas.com/content/dam/SAS/support/en/sas-global-forum-proceedings/2019/3947-2019.pdf>

2) Research 2 (NBA Injuries) might be better/easier. Why?

Could be better/easier because I have cleaned data, and I can answer multiple types of questions for this topic.

I can run some NLP and feature engineer different categorizations of injuries depending on how they describe the injuries. For example: DTD (Day-to-day injuries are less severe), or soreness, or things like broken finger maybe I need to ignore those types of injuries because they are more like random or accidental.

Which teams have more of a certain kind of injury, and see if that correlates in any data, like how often they sit their players.

Which teams get the most injuries, which have the least?

Injury and rest day data:

<https://www.nbastuffer.com/2018-2019-nba-schedule-rest-days-analysis/>

<https://www.kaggle.com/ghopkins/nba-injuries-2010-2018>

3) Please send a link to the paper or attach the paper.

<https://reader.elsevier.com/reader/sd/pii/0010028585900106?token=9DC2EEDEA2DB7BCDBE908B0A0997C15BDA6D2BE857E06CE526A01410CF8A306D8F27EEC17F5672A6B681B407B888C391>

The paper has very interesting findings and I’m thinking of ways to add on or further research the same area or a different branching area within this paper.

Waiting on hearing back for permission on this paper: <https://www.ncbi.nlm.nih.gov/pubmed/19530751>