

Data Appendix for NBA Rookie Sentiment Analysis

Tenzin Nargee, Kian Putnam

Feb 17, 2025

Section 1: merged_nba_stats2.csv

Column Name	Description	Data type
player	Player full name	string
team_x	Team player was on at start of season	string
age_x	Player's age at start of season	integer
gp	Games played during season	integer
min	Minutes played during season	float
+/-	Plus minus rating for court impact	float
age_y	Player's age at end of season	integer
team_y	Player's team at end of season	string
gs	Games started in season	integer
mp	Avg minutes played during season	float
per	Player efficiency rating for overall impact	float
ws	Win shares, player contribution to team wins	float
ws/48	Win shares per 48 minutes, standardized for playing time	float
vorp	Value over replacement player, impact vs replacement	float

	player	
awards	Awards received in season	string

Section 2: merged_nba_rookie_data.csv

Column Name	Description	Data type
Player name	Player's full name	string
Scouting report	Text based pre draft scouting analysis	string
Compound sentiment score	VADER overall sentiment score	float
Positive sentiment score	VADER positive sentiment score	float
Negative sentiment score	VADER negative sentiment score	float
Neutral sentiment score	VADER neutral sentiment score	float
Player Minutes played	Player's total minutes in season	float
Player plus minus	Plus minus rating for court impact	float
Player per	Player efficiency rating for overall impact	float
Player ws	Win shares, player contribution to team wins	float
Player vorp	Value over replacement player, impact vs replacement	float
Player awards	Awards received in season	string

Section 3: rookie_data_textblob.csv

Column Name	Description	Data type
Player Name	Player's full name	string
Scouting Report	Text based pre draft scouting analysis	string
Polarity score	Textblob sentiment analysis score	float
Subjectivity score	Textblob opinion based analysis	float
Player Minutes played	Player's total minutes in season	float
Player plus minus	Plus minus rating for court impact	float
Player per	Player efficiency rating for overall impact	float
Player ws	Win shares, player contribution to team wins	float
Player vorp	Value over replacement player, impact vs replacement	float
Player awards	Awards received in season	string