NBA · Yesterday Final



124

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103



Dallas Mavericks

Minnesota Timberwolves

(1 - 4)

Conference Finals · DAL wins 4 - 1

Team	1	2	3	4	Т
Dallas Mavericks	35	34	28	27	124
Minnesota Timberwolves	19	21	33	30	103

Predicting Regular Season NBA Games Scores

Initial Stage

May 31, 2024

Eric Zhou



Opportunity

- Data-driven recommendations for NBA teams internally
- Fan engagement and entertainment
- Betting and wagering







Proposed Vision

	Home Team			Minnesota Timberwolves					10.85%		111			
	Away	Team			G	iolden	State \	Warrio	rs		89.	15%	13	36
					Minr	nesota Ti	mberwo	lves						
	Player	MP	xMP	FGA+FTA	xFGA+FTA	2PA Poss.	2P%	3PA Poss.	3P%	FT Poss.	FT%	Rank	Pts. Sim	
PG	D'Angelo Russell	32	.7 32.	7 16.5	16.6	40.85%	55.90%	39.02%	35.20%	20.12%	85.60%		3 13	
G	Anthony Edwards	36	.5 36.	5 24.2	24.3	47.52%	51.50%	29.34%	36.10%	23.14%	75.00%		1 41	
PF	Karl-Anthony Towns	33	.8 33.	8 19.4	19.5	45.64%	61.80%	28.72%	32.50%	25.64%	88.50%		2 22	
	Rudy Gobert	31	.6 31	6 12.8	12.9	61.72%	68.20%	0.78%	0.00%	37.50%	67.10%		4 14	
SF	Taurean Prince	20	.2 12.	5 7.3	3.7	38.36%	64.40%	45.21%	39.10%	16.44%	76.90%		7 7	
†1	Jaden McDaniels	30	0.6 30.	6 10.3	10.4	53.85%	61.10%	29.81%	37.90%	16.35%	74.20%		5 21	
#2	Austin Rivers	20	.3 12.	6 4.9	2.5	32.65%	56.00%	48.98%	37.80%	18.37%	86.20%		6 0	
#3	Taurean Prince	20	.2 12.	5 7.3	3.7	38.36%	64.40%	45.21%	39.10%	16.44%	76.90%		8 5	
14	Naz Reid	17	.6 10.	9 9.2	5.0	52.17%	65.60%	29.35%	37.50%	18.48%	63.60%		9 13	
#5	Jordan McLaughlin	15	.9 9.	8 4.2	2.5	42.86%	62.50%	45.24%	23.50%	11.90%	100.00%	1	0 2	
#6	Bryn Forbes	10	.6 6.	6 3.9	2.9	41.03%	42.40%	43.59%	25.00%	15.38%	100.00%	1	1 2	
#7	Matt Ryan	9	.3 5.	8 3.6	2.9	24.32%	25.00%	67.57%	35.10%	8.11%	85.70%	1	2 3	
#8	Luka Garza	6	.7 4.	1 4.7	4.3	48.94%	72.00%	14.89%	12.50%	36.17%	89.50%	. 1	3 2	



Proposed Vision

The final model can predict the

winning team with 65%+ accuracy!



Potential Impact

- Enhance decision-making for various stakeholders
- Inform betting decisions
- Improve fan engagement





G: Games Played Min: Minutes Played

Pts: Points

Reb: Rebounds

Ast: Assists

Stl: Steals

Blk: Blocks

To: Turnovers

Pf: Personal Fouls

Dreb: Defensive Rebounds Oreb: Offensive Rebounds

FG-Pct: Field Goal Percentage 3P-PCT: Three-Point Percentage FT-Pct: Free Throw Percentage

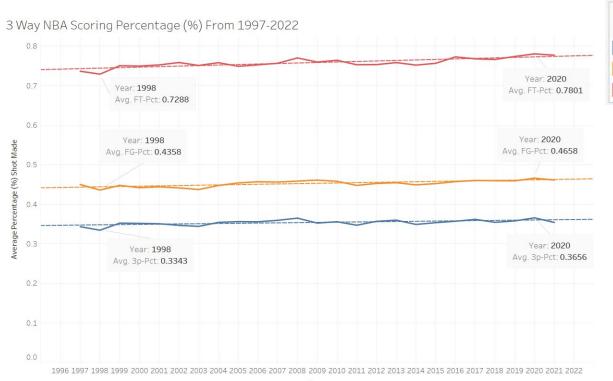
Eff: Efficiency = Total Possessions/Total Points Scored ×100

Deff: Defensive Efficiency = Total Opponent Possessions/Total Points Allowed ×100

Year: Year (Season Year)

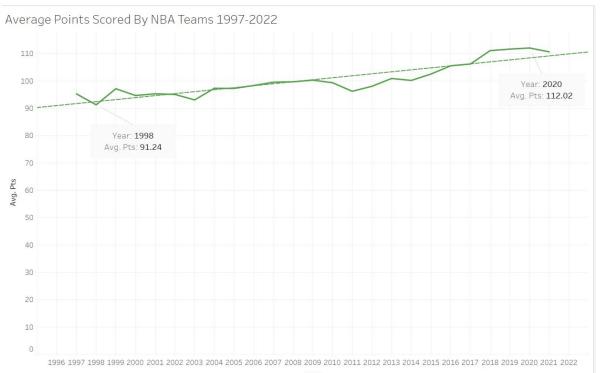




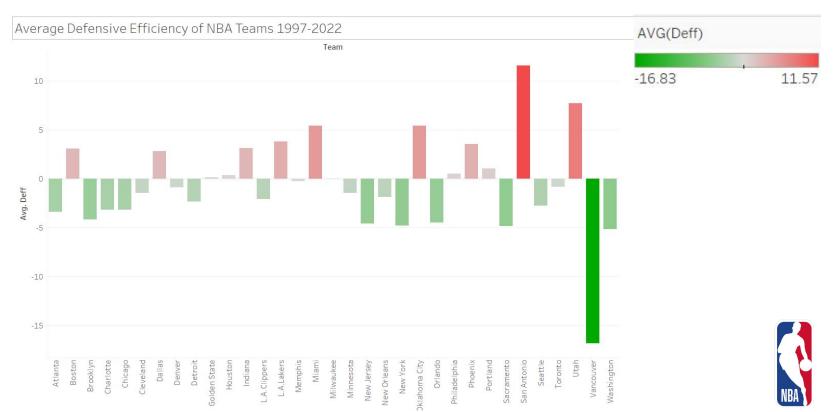




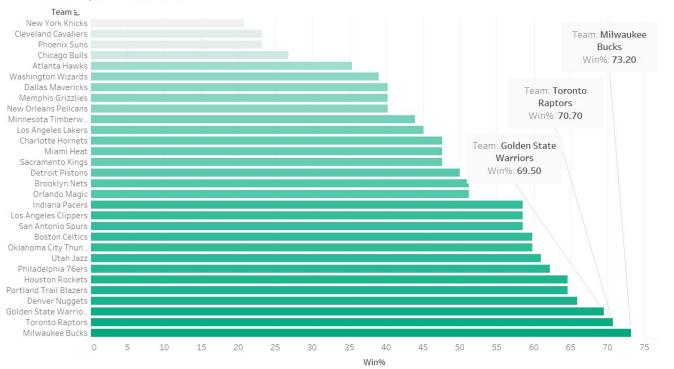














Next steps

- Potentially more data collection and EDA
- Identify/create relevant metrics/features for building baseline model
- Model selection and training
- Model evaluation and iterative improvements
- Test it out real-life and continuous updates

