Attribute	Primary Key	Nullable	DataType	Description
gmDate	yes	no	date	Game date
gmTime		no	time	Game scheduled start time (ET)
seasTyp		no	varchar(7)	Season Type

Codes:	Pre	Pre season
	Regular	Regular season
	Post	Post season

Attribute	Primary Key	Nullable	DataType	Description
offLNm	yes	no	varchar(20)	Official last name
offFNm	yes	no	varchar(20)	Official first name
teamAbbr	yes	no	varchar(5)	Abbreviation of team

Codes:	ATL	Atlanta Hawks
	BKN	Brooklyn Nets
	BOS	Boston Celtics
	CHA	Charlotte Hornets
	CHI	Chicago Bulls
	CLE	Cleveland Cavaliers
	DAL	Dallas Mavericks
	DEN	Denver Nuggets
	DET	Detroit Pistons
	GS	Golden State Warriors
	HOU	Houston Rockets
	IND	Indiana Pacers
	LAC	Los Angeles Clippers
	LAL	Los Angeles Lakers
	MEM	Memphis Grizzlies
	MIA	Miami Heat
	MIL	Milwaukee Bucks
	MIN	Minnesota Timberwolves
	NO	New Orleans Pelicans
	NY	New York Knicks
	OKC	Oklahoma City Thunder
	ORL	Orlando Magic
	PHI	Philadelphia 76ers
	PHO	Phoenix Suns
	POR	Portland Trail Blazers
	SA	San Antonio Spurs
	SAC	Sacramento Kings
	TOR	Toronto Raptors
	UTA	Utah Jazz
	WAS	Washington Wizards

Attribute	Primary Key	Nullable	DataType	Description
teamConf		no	varchar(4)	Identifies conference of team

Codes:	East	Eastern Conference
	West	Western Conference

teamDiv		no	varchar(9)	Identifies division of team

Codes:	Atlantic	Atlantic division
	Central	Central division
	Northwest	Northwest division
	Pacific	Pacific division
	Southeast	Southeast division
	Southwest	Southwest division

teamLoc		no	varchar(4)	Identifies whether team is home or visitor

Codes:	Away	Away team
	Home	Home team

teamRslt		no	varchar(4)	Identifies whether team has won or lost

Codes:	Loss	Team loss
	Win	Team win

teamMin		no	smallint(6)	Accumulated player minutes by team
teamDayOff		no	smallint(6)	Number of days since last game played by team
teamPTS		no	smallint(6)	Points scored by team
teamAST		no	smallint(6)	Assists made by team
teamTO		no	smallint(6)	Turnovers made by team
teamSTL		no	smallint(6)	Steals made by team
teamBLK		no	smallint(6)	Blocks made by team
teamPF		no	smallint(6)	Personal fouls made by team
teamFGA		no	smallint(6)	Field goal attempts made by team
teamFGM		no	smallint(6)	Field goal shots made by team
teamFG%		no	float	Field goal percentage made by team
team2PA		no	smallint(6)	Two point attempts made by team
team2PM		no	smallint(6)	Two point shots made by team
team2P%		no	float	Two point percentage made by team
team3PA		no	smallint(6)	Three point attempts made by team
team3PM		no	smallint(6)	Three point shots made by team
team3P%		no	float	Three point percentage made by team
teamFTA		no	smallint(6)	Free throw attempts made by team
teamFTM		no	smallint(6)	Free throw shots made by team

Field	Null	Type	Description
teamFT%	no	float	Free throw percentage made by team
teamORB	no	smallint(6)	Offensive rebounds made by team
teamDRB	no	smallint(6)	Defensive rebounds made by team
teamTRB	no	smallint(6)	Total rebounds made by team
teamPTS1	no	smallint(6)	Points scored in quarter 1 by team
teamPTS2	no	smallint(6)	Points scored in quarter 2 by team
teamPTS3	no	smallint(6)	Points scored in quarter 3 by team
teamPTS4	no	smallint(6)	Points scored in quarter 4 by team
teamPTS5	no	smallint(6)	Points scored in quarter 5 by team
teamPTS6	no	smallint(6)	Points scored in quarter 6 by team
teamPTS7	no	smallint(6)	Points scored in quarter 7 by team
teamPTS8	no	smallint(6)	Points scored in quarter 8 by team
teamTREB%	no	float	Total rebound percent by team

Calculation: teamRebTot * 100 / (teamRebTot + opptRebTot)

| teamASST% | no | float | Assisted field goal percent by team |

Calculation: teamAST / teamFGM

| teamTS% | no | float | True shooting percentage by team |

Calculation: teamPTS / (2 * (teamFGA + (teamFTA * 0.44)))

| teamEFG% | no | float | Effective field goal percent by team |

Calculation: teamFGM + (0.5 * team3PM) / teamFGA

| teamOREB% | no | float | Offensive rebound percent by team |

Calculation: teamORB * 100 / (teamORB+ opptDRB)

| teamDREB% | no | float | Defensive rebound percent by team |

Calculation: teamDRB * 100 / (teamDRB+ opptORB)

| teamTO% | no | float | Turnover percentage by team |

Calculation: teamTO * 100 / (teamFGA + 0.44 * teamFTA + teamTO)

teamSTL%	no	float	Steal percentage by team

Calculation: teamSTL * 100 / Poss

teamBLK%	no	float	Block percentage by team

Calculation: teamBLK * 100 / Poss

teamBLKR	no	float	Block rate by team

Calculation: teamBLK * 100 / oppt2PA

teamPPS	no	float	Points per shot by team

Calculation: teamPTS / teamFGA

teamFIC	no	float	Floor impact counter for team

Calculation: teamPTS + teamORB + 0.75 * teamDRB + teamAST + teamSTL + teamBLK
– 0.75 * teamFGA – 0.375 * teamFTA – teamTO – 0.5 * teamPF

teamFIC40	no	float	Floor impact counter by team per 40 minutes

Calculation: ((teamPTS + teamORB + 0.75 * teamDRB + teamAST + teamSTL + teamBLK
– 0.75 * teamFGA – 0.375 * teamFTA – teamTO – 0.5 * teamPF) * 40 * 5) / teamMin

teamOrtg	no	float	Offensive rating for team

Calculation: teamPTS * 100 / Poss

teamDrtg	no	float	Defensive rating for team

Calculation: opptPTS * 100 / Poss

teamEDiff	no	float	Efficiency differential for team

Calculation: teamOrtg – teamDrtg

teamPlay%	no	float	Play percentage for team

Calculation: teamFGM / (teamFGA – teamORB + teamTO)

teamAR	no	float	Assist rate for team

Calculation: (teamAST * 100) / (teamFGA – 0.44 * teamFTA + teamAST + teamTO)

teamAST/TO	no	float	Assist to turnover ratio for team

Calculation: teamAST / teamTO

teamSTL/TO	no	float	Steal to turnover ratio for team

Calculation: teamSTL / teamTO

opptAbbr   no   varchar(5)   Abbreviation of opponent

Codes:	ATL	Atlanta Hawks
	BKN	Brooklyn Nets
	BOS	Boston Celtics
	CHA	Charlotte Hornets
	CHI	Chicago Bulls
	CLE	Cleveland Cavaliers
	DAL	Dallas Mavericks
	DEN	Denver Nuggets
	DET	Detroit Pistons
	GS	Golden State Warriors
	HOU	Houston Rockets
	IND	Indiana Pacers
	LAC	Los Angeles Clippers
	LAL	Los Angeles Lakers
	MEM	Memphis Grizzlies
	MIA	Miami Heat
	MIL	Milwaukee Bucks
	MIN	Minnesota Timberwolves
	NO	New Orleans Pelicans
	NY	New York Knicks
	OKC	Oklahoma City Thunder
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	PHO	Phoenix Suns
	POR	Portland Trail Blazers
	SA	San Antonio Spurs
	SAC	Sacramento Kings
	TOR	Toronto Raptors
	UTA	Utah Jazz
	WAS	Washington Wizards

opptConf   no   varchar(4)   Identifies conference of opponent

Codes:	East	Eastern Conference
	West	Western Conference

opptDiv   no   varchar(9)   Identifies division of opponent

Codes:	Atlantic	Atlantic division
	Central	Central division
	Northwest	Northwest division
	Pacific	Pacific division
	Southeast	Southeast division
	Southwest	Southwest division

opptLoc   no   varchar(4)   Identifies whether opponent is home or visitor

Codes:	Away	Away team
	Home	Home team

opptRslt   no   varchar(4)   Identifies whether opponent has won or lost

Codes:	Loss	Team loss
	Win	Team win

opptMin	no	smallint(6)	Accumulated player minutes by opponent
opptDayOff	no	smallint(6)	Number of days since last game played by opponent
opptPTS	no	smallint(6)	Points scored by opponent
opptAST	no	smallint(6)	Assists made by opponent
opptTO	no	smallint(6)	Turnovers made by opponent
opptSTL	no	smallint(6)	Steals made by opponent
opptBLK	no	smallint(6)	Blocks made by opponent
opptPF	no	smallint(6)	Personal fouls made by opponent
opptFGA	no	smallint(6)	Field goal attempts made by opponent
opptFGM	no	smallint(6)	Field goal shots made by opponent
opptFG%	no	float	Field goal percentage made by opponent
oppt2PA	no	smallint(6)	Two point attempts made by opponent
oppt2PM	no	smallint(6)	Two point shots made by opponent
oppt2P%	no	float	Two point percentage made by opponent
oppt3PA	no	smallint(6)	Three point attempts made by opponent
oppt3PM	no	smallint(6)	Three point shots made by opponent
oppt3P%	no	float	Three point percentage made by opponent
opptFTA	no	smallint(6)	Free throw attempts made by opponent
opptFTM	no	smallint(6)	Free throw shots made by opponent
opptFT%	no	float	Free throw percentage made by opponent
opptORB	no	smallint(6)	Offensive rebounds made by opponent
opptDRB	no	smallint(6)	Defensive rebounds made by opponent
opptTRB	no	smallint(6)	Total rebounds made by opponent
opptPTS1	no	smallint(6)	Points scored in quarter 1 by opponent
opptPTS2	no	smallint(6)	Points scored in quarter 2 by opponent
opptPTS3	no	smallint(6)	Points scored in quarter 3 by opponent
opptPTS4	no	smallint(6)	Points scored in quarter 4 by opponent
opptPTS5	no	smallint(6)	Points scored in quarter 5 by opponent

opptPTS6	no	smallint(6)	Points scored in quarter 6 by opponent
opptPTS7	no	smallint(6)	Points scored in quarter 7 by opponent
opptPTS8	no	smallint(6)	Points scored in quarter 8 by opponent
opptTREB%	no	float	Total rebound percent by opponent

Calculation: opptRebTot * 100 / (opptRebTot + teamRebTot)

opptASST%	no	float	Assisted field goal percent by opponent

Calculation: opptAST / opptFGM

opptTS%	no	float	True shooting percentage by opponent

Calculation: opptPTS / (2 * (opptFGA + (opptFTA * 0.44)))

opptEFG%	no	float	Effective field goal percent by opponent

Calculation: opptFGM + (0.5 * oppt3PM) / opptFGA

opptOREB%	no	float	Offensive rebound percent by opponent

Calculation: opptORB * 100 / (opptORB+ teamDRB)

opptDREB%	no	float	Defensive rebound percent by opponent

Calculation: opptDRB * 100 / (opptDRB+ teamORB)

opptTO%	no	float	Turnover percentage by opponent

Calculation: opptTO * 100 / (opptFGA + 0.44 * opptFTA + opptTO)

opptSTL%	no	float	Steal percentage by opponent

Calculation: opptSTL * 100 / Poss

opptBLK%	no	float	Block percentage by opponent

Calculation: opptBLK * 100 / Poss

opptBLKR	no	float	Block rate by opponent

Calculation: opptBLK * 100 / team2PA

opptPPS	no	float	Points per shot by opponent

Calculation: opptPTS / opptFGA

opptFIC	no	float	Floor impact counter for opponent

Calculation: opptPTS + opptORB + 0.75 * opptDRB + opptAST + opptSTL + opptBLK – 0.75 * opptFGA – 0.375 * opptFTA – opptTO – 0.5 * opptPF

opptFIC40		no	float	Floor impact counter by opponent per 40 minutes

Calculation: $((opptPTS + opptORB + 0.75 * opptDRB + opptAST + opptSTL + opptBLK - 0.75 * opptFGA - 0.375 * opptFTA - opptTO - 0.5 * opptPF) * 40 * 5) / opptMin$

opptOrtg		no	float	Offensive rating for opponent

Calculation: $opptPTS * 100 / Poss$

opptDrtg		no	float	Defensive rating for opponent

Calculation: $teamPTS * 100 / Poss$

opptEDiff		no	float	Efficiency differential for opponent

Calculation: $opptOrtg - opptDrtg$

opptPlay%		no	float	Play percentage for opponent

Calculation: $opptFGM / (opptFGA - opptORB + opptTO)$

opptAR		no	float	Assist rate for opponent

Calculation: $(opptAST * 100) / (opptFGA - 0.44 * opptFTA + opptAST + opptTO)$

opptAST/TO		no	float	Assist to turnover ratio for opponent

Calculation: $opptAST / opptTO$

opptSTL/TO		no	float	Steal to turnover ratio for opponent

Calculation: $opptSTL / opptTO$

poss		no	float	Total team possessions

Calculation: $teamFGA - (teamORB / teamORB + opptDRB) * (teamFGA - teamFGM) * 1.07 + teamTO + (0.4 * teamFTA)$

pace		no	float	Pace per game duration

Calculation: $(poss * 48 * 5) / teamMin$