Database model documentation

Table of contents

1. Model details

Model name:

Nba_Logical_Model Physical Export

Version:

2.4

Database engine:

 PostgreSQL

Description:

Logical Model of Nba season stats management

2. Tables

2.1. Table Team

Description:

Team table

2.1.1. Columns

Column name	Type	Properties	Description
ID	int	PK	Id of nba team
name	char(50)		Describe the name of the nab team
abbr	char(10)		Abbreviation for the name of team
location	int		City of the nab team
Coach_ID	int		

2.2. Table Coach

Description:

Coach table

2.2.1. Columns

Column name	Type	Properties	Description
ID	int	PK	
name	char(50)		

2.3. Table Player

Description:

Table that represent a player of nba

2.3.1. Columns

Column name	Type	Properties	Description
ID	int	PK	
name	char(50)		Name of a player
pos	char(10)		Position on the bench
age	int		Age of the player
Team_ID	int		Id of nba team

2.4. Table TeamStats

Description:

Table describing the statistics of an nba team

2.4.1. Columns

Column name	Type	Properties	Description
ID	int	PK	
G	int		Games played during the season
MP	int		Minutes played during the season
FG	int		Field Goal
FGA	int		Field Goal Attempted
FGP	float(32)		Field Goal Percentage
ThreeP	int		Three Field Goal Point
ThreePA	int		Three Field Goal Point Attempted
ThreePP	float(32)		Three Field Goal Point Percentage
TwoP	int		Two Field Goal Point
TwoPA	int		Two Field Goal Point Attempted
TwoPP	float(32)		Two Field Goal Point Percentage
FT	float(32)		Free Throws
FTA	float(32)		Free Throws Attempted
FTP	float(32)		Free Throws Percentage
ORB	float(32)		Offensive Rebound
DRB	float(32)		Defensive Rebound
TRB	float(32)		Total Rebounds
AST	float(32)		Assist
STL	float(32)		Steals
BLK	float(32)		Block
TOV	float(32)		TurnOvers
PF	int		Personal Fouls

PTS	int		Total Points of the season
Team_ID	int		Id of nba team

2.5. Table PlayerStats

Description:

      Table describing the statistics of a player

2.5.1. Columns

Column name	Type	Properties	Description
ID	int	PK	
Gms	int		Games played during the season
Gstart	int		Games started from 1" minute
MP	int		Minutes played during the season
FG	int		Field Goal
FGA	int		Field Goal Attempted
FGP	float(32)		Field Goal Percentage
ThreeP	int		Three Field Goal Point
ThreePP	float(32)		Three Field Goal Point Percentage
ThreePA	int		Three Field Goal Point Attempted
TwoP	int		Two Field Goal Point
TwoPP	float(32)		Two Field Goal Point Percentage
FT	float(32)		Free Throws
FTA	float(32)		Free Throws Attempted
FTP	float(32)		Free Throws Percentage
TwoPA	int		Two Field Goal Point Attempted
DRB	float(32)		Defensive Rebound
TRB	float(32)		Total Rebounds
AST	float(32)		Assist
ORB	float(32)		Offensive Rebound

BLK	float(32)		Block
STL	float(32)		Steals
PF	int		Personal Fouls
PTS	int		Total Points of the season
TOV	float(32)		TurnOvers
eFGP	float(32)		Effective Field Goal Percentage
Player_ID	int		

2.6. Table CoachStats

Description:

Table describing the statistics of a coach during the season

2.6.1. Columns

Column name	Type	Properties	Description
ID	int	PK	
SeasG	int		Season Game
SeasW	int		Season Win
SeasL	float(32)		Season Lose
FranG	int		Franchise Game
FranW	int		Franchise Win
FranL	int		Franchise Lose
CareW	int		Career Win
CareL	int		Career Lose
CareWP	float(32)		Career Win Percentage
PoseasG	float(32)		Playoff Game
PoseasW	float(32)		Playoff Win
PoseasL	float(32)		Playoff Lose
PofranG	float(32)		Playoff Franchise Game
PofranW	float(32)		Playoff Franchise Win
PofranL	float(32)		Playoff Franchise Lose
PocareG	float(32)		Playoff Career Game
PocareW	float(32)		Playoff Career Win

PocareL	float(32)		Playoff Career Game Lose
Coach_ID	int		

3. References

3.1. Reference Team_Coach

Description:

Relation btw a coach of nba and the nab team

Coach	1..*	Team
ID	<->	Coach_ID

3.2. Reference Player_Team

Team	1..*	Player
ID	<->	Team_ID

3.3. Reference TeamStats_Team

Team	1..*	TeamStats
ID	<->	Team_ID

3.4. Reference PlayerStats_Player

Player	1..1	PlayerStats
ID	<->	Player_ID

3.5. Reference CoachStats_Coach

Coach	1..1	CoachStats
ID	<->	Coach_ID

4. Sequences

Sequence name	Starts with	Description
Team_seq	1	
Coach_seq	1	
Player_seq	1	
TeamStats_seq	1	
PlayerStats_seq	1	
CoachStats_seq	1	