

SAS Programming
Assignment 2 Data

Create one SAS data set for each year of data collected for NBA teams. Each SAS data set should contain the five variables listed. Enter team names exactly as they appear in the tables below. You do have to enter all of the data by hand. This document is NOT copy-enabled.

Do NOT attempt to put the year information in the SAS data sets at this time. (We'll do that on a later assignment.)

Save this program. You will need this data for further analysis in later assignments. **Errors in these SAS data sets will lead to errors on future assignments. So proofread carefully. Later you'll learn to read external data files into SAS. For now you have to retype the data below.**

For those who need information about basketball, points are scored by throwing a basketball through the team's own hoop. (aka: shooting a basketball)

Variable definitions:

Field Goal (FG)– the number of times in the season a ball passes through the hoop

Background: This scores either 2 or 3 points for the shooting or offensive team.

Field Goal Attempts (FGA)– the number of times in the season a ball is shot toward the basket

3-point Field Goal (P3) – the number of times in the season a shot passes through the hoop scoring 3 points.

Background: Shots made from over 22 feet are called three pointers or 3-point field goals. Shots made from closer than 22 feet are 2 point field goals.

Free throws (FT) – The number of free throws made for the season.

Background: When a team fouls a player on the other team, that player can be awarded a "free shot or shots" at the basket. Each free throw is worth one point.

Remember: 1. Column pointer controls can be used on some or all variables in the INPUT statement. 2. Variable names can contain no spaces. 3. Data are case-sensitive.

Data Source: <https://www.basketball-reference.com/>

2017 NBA Data

Team	FG	FGA	P3	FT
Golden State Warriors	43.1	87.1	12.0	17.8
Houston Rockets	40.3	87.2	14.4	20.3
Denver Nuggets	41.2	87.7	10.6	18.7
Cleveland Cavaliers	39.9	84.9	13.0	17.5
Washington Wizards	41.3	87.0	9.2	17.3
Los Angeles Clippers	39.5	83.2	10.3	19.3
Boston Celtics	38.6	85.1	12.0	18.7
Portland Trail Blazers	39.5	86.1	10.4	18.5
Phoenix Suns	39.9	88.5	7.5	20.4
Toronto Raptors	39.2	84.4	8.8	19.7
Oklahoma City Thunder	39.5	87.4	8.4	19.2
Brooklyn Nets	37.8	85.2	10.7	19.4
Minnesota Timberwolves	39.5	84.4	7.3	19.3
San Antonio Spurs	39.3	83.7	9.2	17.6
Indiana Pacers	39.3	84.5	8.6	17.9
Charlotte Hornets	37.7	85.4	10.0	19.4
Los Angeles Lakers	39.3	87.4	8.9	17.0

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New Orleans Pelicans	39.1	87.0	9.4	16.7
New York Knicks	39.6	88.5	8.6	16.6
Milwaukee Bucks	38.8	81.9	8.8	17.2
Miami Heat	39.0	85.8	9.9	15.2
Atlanta Hawks	38.1	84.4	8.9	18.1
Chicago Bulls	38.6	87.1	7.6	18.0
Sacramento Kings	37.9	82.1	9.0	18.1
Philadelphia 76ers	37.7	85.3	10.1	17.0
Detroit Pistons	39.9	88.8	7.7	13.9
Orlando Magic	38.3	87.0	8.5	16.0
Utah Jazz	37.0	79.5	9.6	17.1
Memphis Grizzlies	36.4	83.6	9.4	18.3
Dallas Mavericks	36.2	82.3	10.7	14.8

2018 NBA Data

Team	FG	FGA	P3	FT
Golden State Warriors	42.8	85.1	11.3	16.6
Houston Rockets	38.7	84.2	15.3	19.6
New Orleans Pelicans	42.7	88.3	10.2	16.1
Toronto Raptors	41.3	87.4	11.8	17.3
Cleveland Cavaliers	40.4	84.8	12.0	18.1
Denver Nuggets	40.7	86.6	11.5	17.1
Philadelphia 76ers	40.8	86.6	11.0	17.1
Minnesota Timberwolves	41.0	86.1	8.0	19.4
Los Angeles Clippers	40.3	85.4	9.5	19.0
Charlotte Hornets	39.0	86.7	10.0	20.2
Los Angeles Lakers	40.7	88.4	10.0	16.6
Oklahoma City Thunder	39.9	88.1	10.7	17.3
Washington Wizards	39.9	85.6	9.9	16.8
Brooklyn Nets	38.2	86.8	12.7	17.4
Milwaukee Bucks	39.7	83.0	8.8	18.3
Portland Trail Blazers	39.3	87.0	10.3	16.7
Indiana Pacers	40.8	86.4	9.0	14.9
New York Knicks	40.7	87.7	8.2	14.9
Utah Jazz	38.3	82.9	10.8	16.8
Boston Celtics	38.3	85.1	11.5	16.0
Phoenix Suns	38.5	87.1	9.3	17.7
Detroit Pistons	39.1	86.9	10.8	14.7
Miami Heat	38.8	85.3	11.0	14.7
Orlando Magic	38.8	85.9	10.3	15.5
Atlanta Hawks	38.2	85.5	11.2	15.8
Chicago Bulls	38.7	88.8	11.0	14.6
San Antonio Spurs	39.0	85.4	8.5	16.1
Dallas Mavericks	38.1	85.9	11.8	14.2
Memphis Grizzlies	36.7	82.8	9.2	16.6
Sacramento Kings	38.8	86.1	9.0	12.3