Willy Wonka

Simple question labels, single spaced document,
"serious" font, and complete sentences.

## Section: Definitions

1. The number of points scored in a basketball game by a single player is a discrete quantitative variable.
2. The fact that a player does not score the same number of points in each basketball game is an example of natural variability.

## Section: Exploratory Data Analysis

## Proper reference to a figure.

1. The distribution of points scored per game by Steph Curry in the 2015-16 NBA season was approximately symmetric with a potential outlier of five or fewer points (Figure 1). The distribution is centered on a mean of 30.1 points with a standard deviation of 9.8 points (Table 1). I chose to use the mean and standard deviation because the distribution was not strongly skewed and the outhier was not extreme.

## Proper reference to a table.

Fully descriptive figure label below the figure.


Figure 1. Histogram of points scored by Steph Curry in 79 games of the 2015-16 NBA season.

Fully descriptive table label above the table.

Table 1. Summary statistics of points scored by Steph Curry in 79 games of the 2015-16 NBA season.

| $n$ | mean | sd | min | Q1 | median | Q3 | max |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 79.0 | 30.1 | 9.8 | 5.0 | 24.0 | 30.0 | 37.0 | 53.0 |

## R Appendix

library(NCStats)
SC <- read.csv("StephCurry16.csv")
Summarize( $\sim$ PTS,data=SC,digits=1)
hist(~PTS, data=SC, xlab="Points Scored in a Game",ylim=c( 0,12 ),w=3)

Included an appendix of good R commands.

I have neither given nor received unauthorized aid in completing this work, nor have I presented someone else's work as my own.


