**Data Appendix**

**Variable:** Name

Source: IMPORTABLE\_leagues\_MLB\_2015-value-batting\_players\_value\_batting.xlsx, IMPORTABLE\_leagues\_MLB\_2014-value-batting\_players\_value\_batting.xlsx, IMPORTABLE\_leagues\_MLB\_2013-value-batting\_players\_value\_batting.xlsx, IMPORTABLE\_leagues\_MLB\_2012-value-batting\_players\_value\_batting.xlsx,

IMPORTABLE\_leagues\_MLB\_2011-value-batting\_players\_value\_batting.xlsx,

IMPORTABLE\_leagues\_MLB\_2010-value-batting\_players\_value\_batting.xlsx

Missing: 0/150

Definition: A player’s name

Possible Values: All players’ names

Coding: N/A

Frequency and Distribution: N/A (123 unique names)

**Variable:** Age

Source: IMPORTABLE\_leagues\_MLB\_2015-value-batting\_players\_value\_batting.xlsx, IMPORTABLE\_leagues\_MLB\_2014-value-batting\_players\_value\_batting.xlsx, IMPORTABLE\_leagues\_MLB\_2013-value-batting\_players\_value\_batting.xlsx, IMPORTABLE\_leagues\_MLB\_2012-value-batting\_players\_value\_batting.xlsx,

IMPORTABLE\_leagues\_MLB\_2011-value-batting\_players\_value\_batting.xlsx,

IMPORTABLE\_leagues\_MLB\_2010-value-batting\_players\_value\_batting.xlsx

Missing: 0/150

Definition: A player’s age at the conclusion of the season

Units: Years

Summary Statistics:

Variable Obs Mean Std. Dev. Min Max

Age 150 31.64667 3.091744 25 41

variable min p25 p50 p75 max

Age 25 29 31 34 41

Histogram:



**Variable:** avg\_war

Source: IMPORTABLE\_leagues\_MLB\_2015-value-batting\_players\_value\_batting.xlsx, IMPORTABLE\_leagues\_MLB\_2014-value-batting\_players\_value\_batting.xlsx, IMPORTABLE\_leagues\_MLB\_2013-value-batting\_players\_value\_batting.xlsx, IMPORTABLE\_leagues\_MLB\_2012-value-batting\_players\_value\_batting.xlsx,

IMPORTABLE\_leagues\_MLB\_2011-value-batting\_players\_value\_batting.xlsx,

IMPORTABLE\_leagues\_MLB\_2010-value-batting\_players\_value\_batting.xlsx

Missing: 0/150

Definition: A player’s average WAR for the three years prior to signing a given contract

Units: Number of additional wins contributed to team compared to replacement-level player

Summary Statistics:

Variable Obs Mean Std. Dev. Min Max

avg\_war 150 1.659 1.418994 -.4 7.3

variable min p25 p50 p75 max

avg\_war -.4 .6333333 1.4 2.533333 7.3

Histogram:



**Variable:** length

Source: 2012\_Contract\_Data.xlsx, 2013\_Contract\_Data.xlsx, 2014\_Contract\_Data.xlsx, 2015\_Contract\_Data.xlsx

Missing: 0/150

Definition: The length of a player’s contract

Units: Years

Summary Statistics:

Variable Obs Mean Std. Dev. Min Max

length 150 2.046667 1.585745 1 10

variable min p25 p50 p75 max

length 1 1 1 3 10

Histogram:



**Variable:** totalvalue

Source: 2012\_Contract\_Data.xlsx, 2013\_Contract\_Data.xlsx, 2014\_Contract\_Data.xlsx, 2015\_Contract\_Data.xlsx

Missing: 0/150

Definition: The total value of a player’s contract

Units: Dollars

Summary Statistics:

Variable Obs Mean Std. Dev. Min Max

totalvalue 150 2.19e+07 3.76e+07 700000 2.40e+08

variable min p25 p50 p75 max

totalvalue 700000 2750000 5900000 2.10e+07 2.40e+08

Histogram:



**Variable:** year

Source: 2012\_Contract\_Data.xlsx, 2013\_Contract\_Data.xlsx, 2014\_Contract\_Data.xlsx, 2015\_Contract\_Data.xlsx

Missing: 0/150

Definition: The year a player’s contract was signed

Possible Values: 2012, 2013, 2014, 2015

Coding: As shown

Frequency and Distribution:

year Freq. Percent

2012 36 24.00

2013 40 26.67

2014 33 22.00

2015 41 27.33

Total 150 100.00

Bar Chart:



**Variable:** lnavgannual

Source: 2012\_Contract\_Data.xlsx, 2013\_Contract\_Data.xlsx, 2014\_Contract\_Data.xlsx, 2015\_Contract\_Data.xlsx

Missing: 0/150

Definition: The average annual salary a player receives, equal to totalvalue/length

Units: Dollars

Summary Statistics:

Variable Obs Mean Std. Dev. Min Max

lnavgannual 150 15.38833 .9034492 13.45884 17.03439

variable min p25 p50 p75 max

lnavgannual 13.45884 14.7318 15.3993 16.15088 17.03439

Histogram:



**Variable:** Nonwhite

Source: Player\_Race.xlsx

Missing: 0/150

Definition: A dummy variable equal to 1 if a player is not white and 0 if a player is white

Possible Values: 0, 1

Coding:

|  |  |
| --- | --- |
| Variable Value | Meaning |
| 0 | A player is white |
| 1 | A player is not white |

Frequency and Distribution:

Nonwhite Freq. Percent

0 76 50.67

1 74 49.33

Total 150 100.00

Bar Chart:

