

ESPN_Sports

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Sports Analytics - Does it make a difference?

Dallas Teams

```
## # A tibble: 4 x 4
##   Sport count MeanESPN StdESPN
##   <fct> <int> <S3: formattable> <S3: formattable>
## 1 MLB      30 3.5          1.3
## 2 NBA      30 3.1          1.2
## 3 NFL      32 2.7          1.0
## 4 NHL      31 3.4          0.9
```

Sport	Team	ESPN	HowFar
MLB	Nationals	4	1.50
NBA	Wizards	2	1.25
NFL	Redskins	1	0.25
NHL	Capitals	4	2.75

Data Summary

Statistic

N

Mean

St. Dev.

Min

Pctl(25)

Pctl(75)

Max

ESPNRating

123

3.2

1.1

1

2

4

5

X2014PO

123

0.4

0.5

0

0

1

1

X2014HF

123

0.9

1.3

0

0

2

5

X2015PO

123

0.4

0.5

0

0

1

1

X2015HF

123

0.9

1.3

0

0

2

5

X2016PO

123

0.4

0.5

0

0

1

1

X2016HF

123

0.9

1.3

0

0

2

5

X2017PO

123

0.4

0.5

0

0

1

1

X2017HF

123

0.9

1.3

0

0

2

5

Market

123

1,708,531.0

2,234,926.0

84,439

398,077.5

1,902,073.0

8,622,698

HowFar

123

1.0

1.0

0

0.2

1.5

5

Big to Small Market Teams

Los Angeles

Sport	Team	ESPN	HowFar
MLB	Angels	3	0.50
MLB	Dodgers	4	2.75
NBA	Clippers	2	1.00
NBA	Lakers	1	0.00
NFL	Chargers	1	0.00
NFL	Rams	2	0.25
NHL	Ducks	2	2.00
NHL	Kings	4	0.50

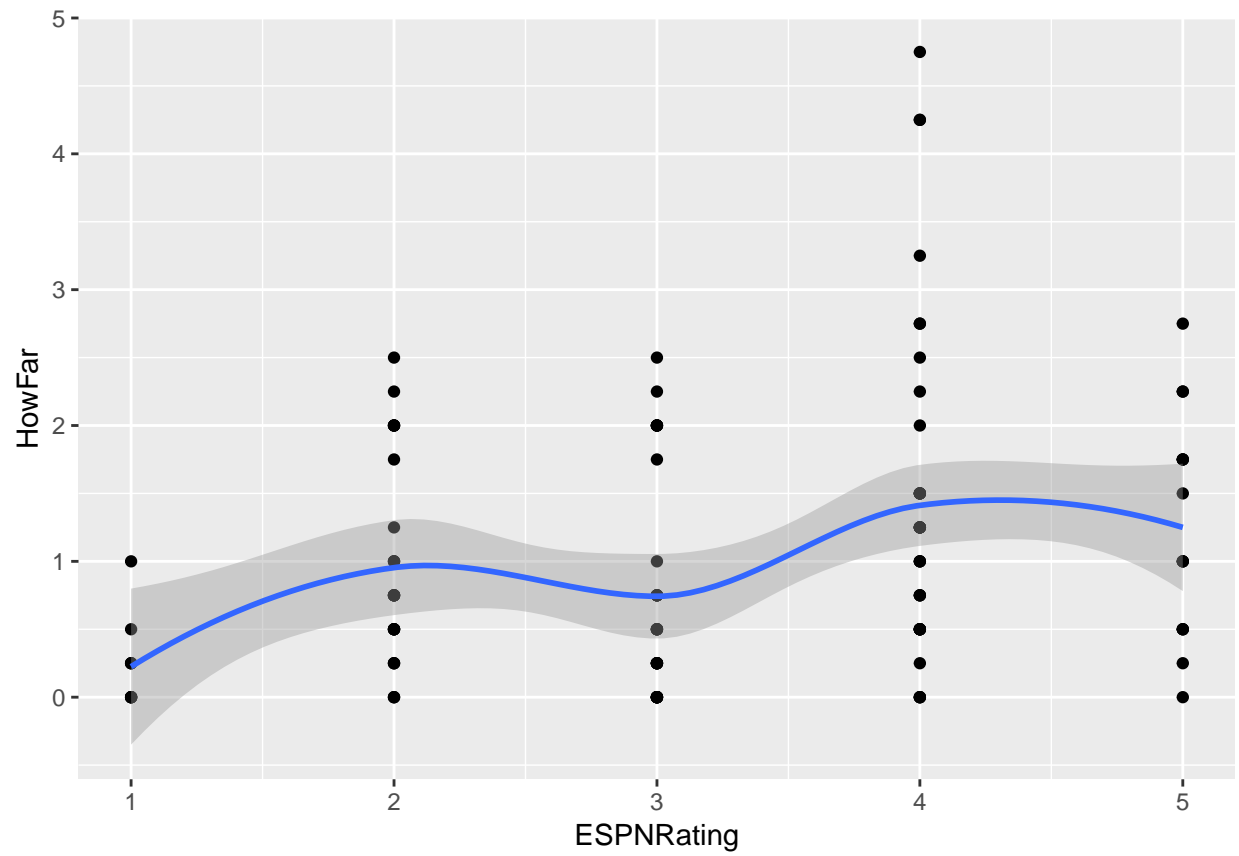
New York

Sport	Team	ESPN	HowFar
MLB	Mets	4	1.25
MLB	Yankees	5	1.00
NBA	Knicks	1	0.00
NBA	Nets	1	0.25
NFL	Giants	2	2.00
NFL	Jets	1	1.00
NHL	Islanders	4	0.75
NHL	Rangers	2	2.50

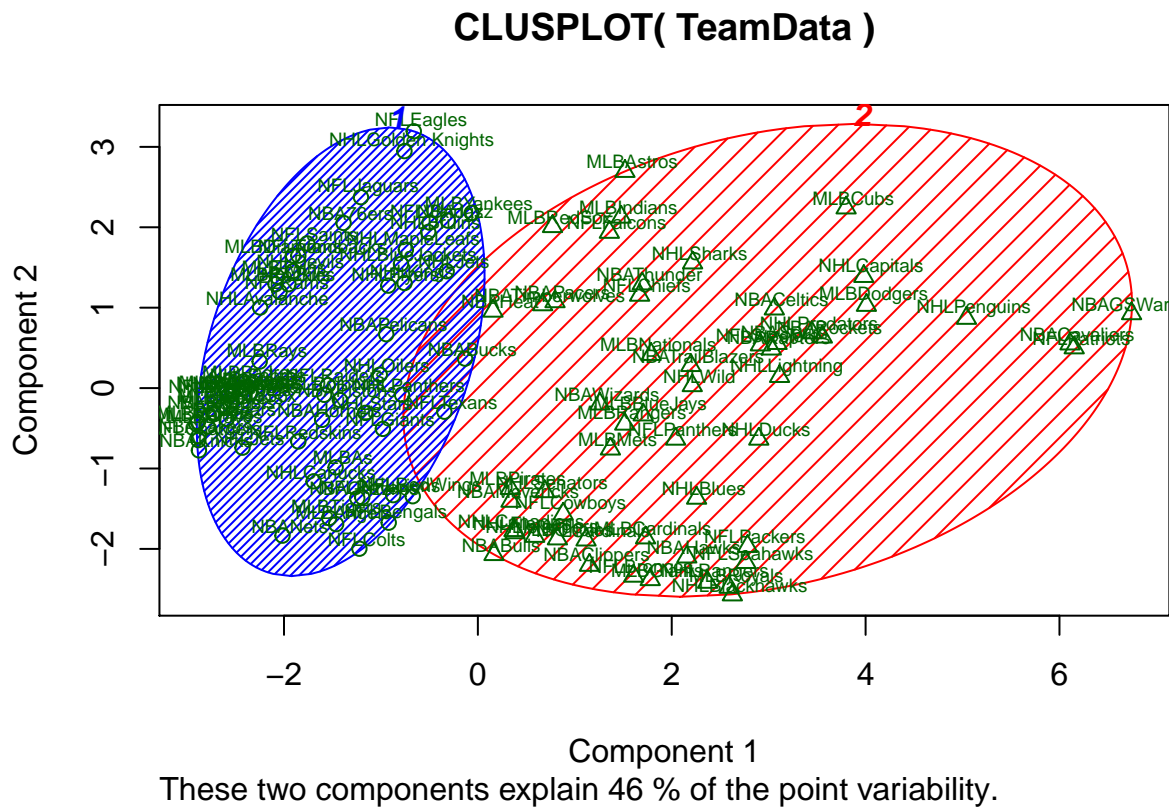
Green Bay

Sport	Team	ESPN	HowFar
NFL	Packers	3	2

Plot of ESPN vs How Far a team made it into the playoffs on average for the 4 years of data



K Means clustering



TeamData\$fit.cluster	count	Meanx2014PO	MeanX2014HF	MeanX2015PO	MeanX2015HF	MeanX2016PO	M
1	69	0.2	0.3	0.2	0.2	0.2	
2	54	0.7	1.7	0.8	1.9	0.8	

Team list grouped by ESPN Ranking

ESPNRating	Count	HowFar	MeanPop
1	10	0.1	4,285,703.4
2	27	0.8	1,772,382.1
3	34	0.6	871,880.2
4	37	1.4	1,738,948.9
5	15	1.2	1,696,860.0

Ten best ESPN Rating performers

Sport	Team	City	ESPNRating	Market	HowFar
NBA	GSWarriors	Oakland	4	390,724	4.8
NBA	Cavaliers	Cleveland	4	396,698	4.2
NFL	Patriots	Boston	4	617,594	4.2
NHL	Penguins	Pittsburgh	4	305,704	3.2
MLB	Cubs	Chicago	5	2,695,598	2.8
MLB	Dodgers	Los Angeles	4	3,792,621	2.8
NHL	Capitals	Washington	4	6,131,977	2.8
MLB	Rangers	Dallas	3	1,197,816	2.5
NHL	Lightning	Tampa Bay	4	335,709	2.5
NHL	Rangers	New York	2	8,622,698	2.5

Ten bottom ESPN Rating performers

Sport	Team	City	ESPNRating	Market	HowFar
MLB	Rays	Tampa Bay	5	335,709	0.0
MLB	As	Oakland	5	390,724	0.2
MLB	Pirates	Pittsburgh	5	305,704	0.5
NBA	Mavericks	Dallas	5	1,197,816	0.5
NBA	76ers	Philadelphia	5	1,580,863	0.5
MLB	RedSox	Boston	5	617,594	1.0
MLB	Yankees	New York	5	8,622,698	1.0
NHL	Golden Knights	Las Vegas	5	583,756	1.0
MLB	Indians	Cleveland	5	396,698	1.5
MLB	Astros	Houston	5	2,099,451	1.8