

Using kmeans to assign a cluster to each row (i.e., customer)

```
library(ggplot2)
library(scales)
```

##	Country	Sports.in.Bilion.dollar.	Sports.in.Bilion.euro.
## 1	Japan	3.510143	2.9497
## 2	Hong Kong	2.000390	1.6810
## 3	UK	1.973853	1.6587
## 4	United States	1.512609	1.2711
## 5	China	1.393252	1.1708
## 6	Australia	1.175244	0.9876
## 7	France	0.685083	0.5757
## 8	Sweden	0.514318	0.4322
## 9	Germany	0.468622	0.3938
## 10	South Korea	0.323918	0.2722
## 11	Italy	0.312613	0.2627
## 12	Spain	0.285005	0.2395
## 13	Canada	0.248234	0.2086
## 14	Singapore	0.242760	0.2040
## 15	Norway	0.242760	0.2040
## 16	Ireland	0.234787	0.1973
## 17	Czech Rep	0.195874	0.1646
## 18	Malaysia	0.190400	0.1600
## 19	Russia	0.172907	0.1453
## 20	Austria	0.164339	0.1381

##	Sports.in.Milion.euro.	No..of.Sports.Popular.Worldwide
## 1	2949.7	4
## 2	1681.0	3
## 3	1658.7	4
## 4	1271.1	4
## 5	1170.8	6
## 6	987.6	3
## 7	575.7	2
## 8	432.2	3
## 9	393.8	4
## 10	272.2	1
## 11	262.7	3
## 12	239.5	3
## 13	208.6	2
## 14	204.0	2
## 15	204.0	0
## 16	197.3	0
## 17	164.6	2
## 18	160.0	3
## 19	145.3	4
## 20	138.1	1

```
## No..of..Popular.Sport.Bet.Online After.Includeing.Horse.racing
```

## 1	3	2
## 2	1	2
## 3	5	6
## 4	4	5
## 5	2	2
## 6	4	5
## 7	1	2
## 8	1	1
## 9	4	NA
## 10	1	NA
## 11	2	NA
## 12	4	NA
## 13	2	NA
## 14	4	NA
## 15	1	NA
## 16	6	NA
## 17	2	NA
## 18	3	4
## 19	3	NA
## 20	1	NA

Link.1

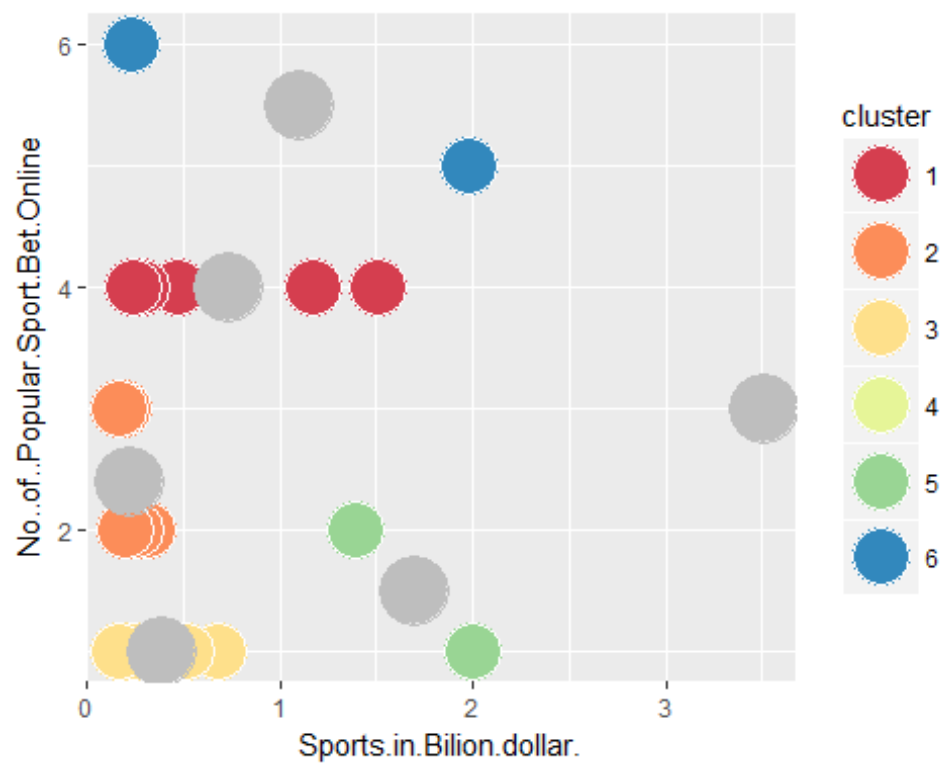
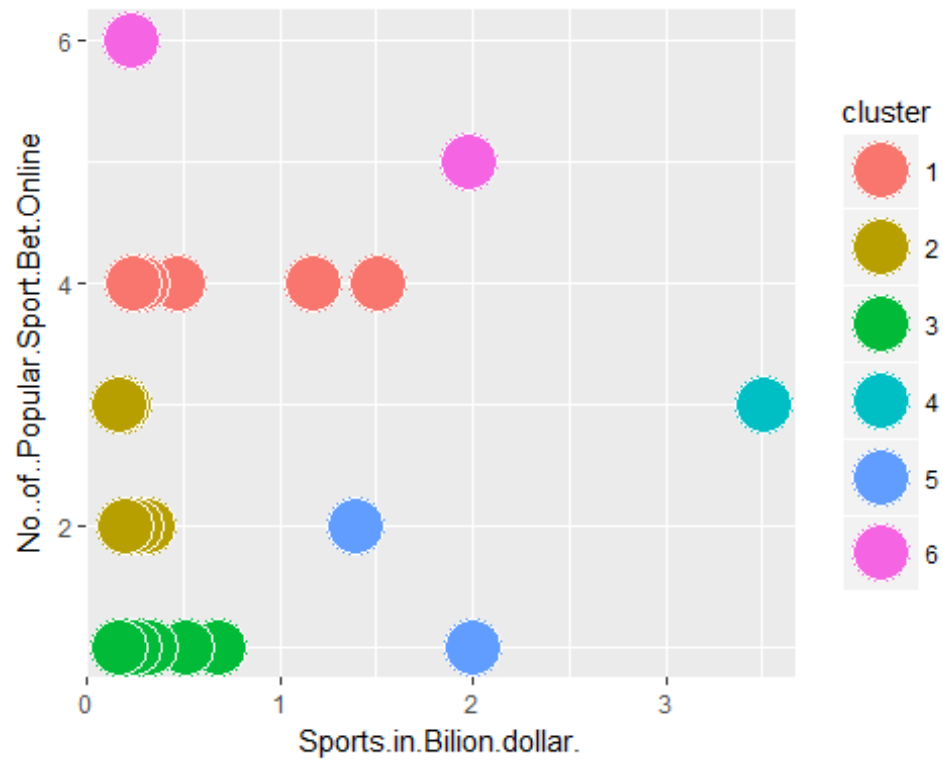
## 1	https://www.asiabet.org/japan/
## 2	https://www.sbo.net/country/hong-kong/
## 3	http://www.oddsshark.com/uk
## 4	http://www.oddsshark.com/usa
## 5	https://www.asiabet.org/china/
## 6	http://www.oddsshark.com/australia
## 7	https://www.bookmakers.bet/9602/betting-sites-france/
## 8	http://www.onlinebettingsites.com/countries/sweden/
## 9	https://www.interwetten.com/en/sportsbook/default.aspx
## 10	https://www.bet365.com/#/H0/
## 11	https://www.sbo.net/country/italy/
## 12	https://www.sbo.net/country/spain/
## 13	http://www.oddsshark.com/canada
## 14	https://www.asiabet.org/singapore/
## 15	https://www.norsk-tipping.no/sport
## 16	https://en.wikipedia.org/wiki/Sport_in_Ireland
## 17	https://www.sbo.net/country/betting-online-czech-republic/
## 18	https://www.asiabet.org/malaysia/
## 19	http://www.gamingzion.com/sportsbook/russian-federation
## 20	https://www.sbo.net/country/austria/

Link.2

## 1	https://en.wikipedia.org/wiki/Sport_in_Japan
## 2	https://en.wikipedia.org/wiki/Sport_in_Hong_Kong
## 3	https://en.wikipedia.org/wiki/Sport_in_England
## 4	https://en.wikipedia.org/wiki/Sports_in_the_United_States
## 5	
## 6	
## 7	
## 8	

```
## 9      https://www.movingto-germany.com/top-10-sports-in-germany/
## 10      https://www.asiabet.org/korea/
## 11
## 12      https://en.wikipedia.org/wiki/Sport_in_Spain
## 13 https://en.wikipedia.org/wiki/Sport_in_Canada#Professional_sports
## 14      https://sports.intertops.eu/en/
## 15      https://en.wikipedia.org/wiki/Football_in_Norway
## 16      http://www.gamingzion.com/sportsbook/ireland
## 17      https://en.wikipedia.org/wiki/Sport_in_the_Czech_Republic
## 18      http://www.topendsports.com/world/countries/malaysia.htm
## 19      https://www.ligastavok.ru/
## 20      https://en.wikipedia.org/wiki/Sport_in_Austria
##          Link.3
## 1
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9      http://www.gamingzion.com/sportsbook/germany
## 10 https://en.wikipedia.org/wiki/Sport_in_South_Korea
## 11
## 12
## 13
## 14      https://en.wikipedia.org/wiki/Sport_in_Singapore
## 15
## 16      http://www.paddypower.com/bet
## 17
## 18
## 19      https://en.wikipedia.org/wiki/Sport_in_Russia
## 20
##          X
## 1
## 2
## 3
## 4
## 5
## 6
## 7
## 8
## 9
## 10
## 11
## 12
## 13
## 14
## 15
## 16 http://www.boylesports.com/
```

```
## 17
## 18
## 19
## 20
```



```
## Warning: Removed 2 rows containing missing values (geom_segment).
## Warning: Removed 2 rows containing missing values (geom_point).
## Warning: Removed 1 rows containing missing values (geom_point).
## Warning: Removed 2 rows containing missing values (geom_text).
```

