

Happiness Score

Pooja Rathee

2022-04-12

Install required packages

Read the files

```
Hscore_2015 <- read_csv("data/2015.csv")
```

```
## Rows: 158 Columns: 12
## -- Column specification -----
## Delimiter: ","
## chr (2): Country, Region
## dbl (10): Happiness Rank, Happiness Score, Standard Error, Economy (GDP per ...
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
```

```
Hscore_2016 <- read_csv("data/2016.csv")
```

```
## Rows: 157 Columns: 13
## -- Column specification -----
## Delimiter: ","
## chr (2): Country, Region
## dbl (11): Happiness Rank, Happiness Score, Lower Confidence Interval, Upper ...
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
```

```
Hscore_2017 <- read_csv("data/2017.csv")
```

```
## Rows: 155 Columns: 12
## -- Column specification -----
## Delimiter: ","
## chr (1): Country
## dbl (11): Happiness.Rank, Happiness.Score, Whisker.high, Whisker.low, Econom...
##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
```

Including column names

```
colnames(Hscore_2015)
```

```
## [1] "Country"           "Region"
## [3] "Happiness Rank"    "Happiness Score"
## [5] "Standard Error"    "Economy (GDP per Capita)"
## [7] "Family"            "Health (Life Expectancy)"
## [9] "Freedom"           "Trust (Government Corruption)"
## [11] "Generosity"        "Dystopia Residual"
```

```
colnames(Hscore_2016)
```

```
## [1] "Country"           "Region"
## [3] "Happiness Rank"    "Happiness Score"
## [5] "Lower Confidence Interval" "Upper Confidence Interval"
## [7] "Economy (GDP per Capita)" "Family"
## [9] "Health (Life Expectancy)" "Freedom"
## [11] "Trust (Government Corruption)" "Generosity"
## [13] "Dystopia Residual"
```

```
colnames(Hscore_2017)
```

```
## [1] "Country"           "Happiness.Rank"
## [3] "Happiness.Score"   "Whisker.high"
## [5] "Whisker.low"       "Economy..GDP.per.Capita."
## [7] "Family"            "Health..Life.Expectancy."
## [9] "Freedom"           "Generosity"
## [11] "Trust..Government.Corruption." "Dystopia.Residual"
```

Rename the columnes to make them consistent

```
Hscore_2015 <- rename(Hscore_2015,"Happiness_Score" ="Happiness Score","Happiness_Rank" = "Happiness Rank")
Hscore_2016 <- rename(Hscore_2016,"Happiness_Score" ="Happiness Score","Happiness_Rank" = "Happiness Rank")
Hscore_2017 <- rename(Hscore_2017,"Happiness_Score" ="Happiness.Score","Happiness_Rank" = "Happiness.Rank")
```

Lets check out the changes

```
str(Hscore_2015)
```

```
## spec_tbl_df [158 x 12] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
## $ Country      : chr [1:158] "Switzerland" "Iceland" "Denmark" "Norway" ...
## $ Region       : chr [1:158] "Western Europe" "Western Europe" "Western Europe" "Western Europe" ...
## $ Happiness_Rank : num [1:158] 1 2 3 4 5 6 7 8 9 10 ...
## $ Happiness_Score : num [1:158] 7.59 7.56 7.53 7.52 7.43 ...
```

```
## $ Standard Error : num [1:158] 0.0341 0.0488 0.0333 0.0388 0.0355 ...
## $ Economy : num [1:158] 1.4 1.3 1.33 1.46 1.33 ...
## $ Family : num [1:158] 1.35 1.4 1.36 1.33 1.32 ...
## $ Health : num [1:158] 0.941 0.948 0.875 0.885 0.906 ...
## $ Freedom : num [1:158] 0.666 0.629 0.649 0.67 0.633 ...
## $ Trust : num [1:158] 0.42 0.141 0.484 0.365 0.33 ...
## $ Generosity : num [1:158] 0.297 0.436 0.341 0.347 0.458 ...
## $ Dystopia_Residual: num [1:158] 2.52 2.7 2.49 2.47 2.45 ...
## - attr(*, "spec")=
## .. cols(
## .. Country = col_character(),
## .. Region = col_character(),
## .. 'Happiness Rank' = col_double(),
## .. 'Happiness Score' = col_double(),
## .. 'Standard Error' = col_double(),
## .. 'Economy (GDP per Capita)' = col_double(),
## .. Family = col_double(),
## .. 'Health (Life Expectancy)' = col_double(),
## .. Freedom = col_double(),
## .. 'Trust (Government Corruption)' = col_double(),
## .. Generosity = col_double(),
## .. 'Dystopia Residual' = col_double()
## .. )
## - attr(*, "problems")=<externalptr>
```

```
str(Hscore_2016)
```

```
## spec_tbl_df [157 x 13] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
## $ Country : chr [1:157] "Denmark" "Switzerland" "Iceland" "Norway" ...
## $ Region : chr [1:157] "Western Europe" "Western Europe" "Western Europe" "Western Europe" ...
## $ Happiness_Rank : num [1:157] 1 2 3 4 5 6 7 8 9 10 ...
## $ Happiness_Score : num [1:157] 7.53 7.51 7.5 7.5 7.41 ...
## $ Lower Confidence Interval: num [1:157] 7.46 7.43 7.33 7.42 7.35 ...
## $ Upper Confidence Interval: num [1:157] 7.59 7.59 7.67 7.58 7.47 ...
## $ Economy : num [1:157] 1.44 1.53 1.43 1.58 1.41 ...
## $ Family : num [1:157] 1.16 1.15 1.18 1.13 1.13 ...
## $ Health : num [1:157] 0.795 0.863 0.867 0.796 0.811 ...
## $ Freedom : num [1:157] 0.579 0.586 0.566 0.596 0.571 ...
## $ Trust : num [1:157] 0.445 0.412 0.15 0.358 0.41 ...
## $ Generosity : num [1:157] 0.362 0.281 0.477 0.379 0.255 ...
## $ Dystopia_Residual : num [1:157] 2.74 2.69 2.83 2.66 2.83 ...
## - attr(*, "spec")=
## .. cols(
## .. Country = col_character(),
## .. Region = col_character(),
## .. 'Happiness Rank' = col_double(),
## .. 'Happiness Score' = col_double(),
## .. 'Lower Confidence Interval' = col_double(),
## .. 'Upper Confidence Interval' = col_double(),
## .. 'Economy (GDP per Capita)' = col_double(),
## .. Family = col_double(),
## .. 'Health (Life Expectancy)' = col_double(),
## .. Freedom = col_double(),
## .. 'Trust (Government Corruption)' = col_double(),
```

```
## .. Generosity = col_double(),
## .. 'Dystopia Residual' = col_double()
## .. )
## - attr(*, "problems")=<externalptr>
```

```
str(Hscore_2017)
```

```
## spec_tbl_df [155 x 12] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
## $ Country          : chr [1:155] "Norway" "Denmark" "Iceland" "Switzerland" ...
## $ Happiness_Rank    : num [1:155] 1 2 3 4 5 6 7 8 9 10 ...
## $ Happiness_Score   : num [1:155] 7.54 7.52 7.5 7.49 7.47 ...
## $ Upper Confidence Interval: num [1:155] 7.59 7.58 7.62 7.56 7.53 ...
## $ Lower Confidence Interval: num [1:155] 7.48 7.46 7.39 7.43 7.41 ...
## $ Economy           : num [1:155] 1.62 1.48 1.48 1.56 1.44 ...
## $ Family            : num [1:155] 1.53 1.55 1.61 1.52 1.54 ...
## $ Health            : num [1:155] 0.797 0.793 0.834 0.858 0.809 ...
## $ Freedom           : num [1:155] 0.635 0.626 0.627 0.62 0.618 ...
## $ Generosity        : num [1:155] 0.362 0.355 0.476 0.291 0.245 ...
## $ Trust             : num [1:155] 0.316 0.401 0.154 0.367 0.383 ...
## $ Dystopia_Residual  : num [1:155] 2.28 2.31 2.32 2.28 2.43 ...
## - attr(*, "spec")=
## .. cols(
## .. Country = col_character(),
## .. Happiness.Rank = col_double(),
## .. Happiness.Score = col_double(),
## .. Whisker.high = col_double(),
## .. Whisker.low = col_double(),
## .. Economy..GDP.per.Capita. = col_double(),
## .. Family = col_double(),
## .. Health..Life.Expectancy. = col_double(),
## .. Freedom = col_double(),
## .. Generosity = col_double(),
## .. Trust..Government.Corruption. = col_double(),
## .. Dystopia.Residual = col_double()
## .. )
## - attr(*, "problems")=<externalptr>
```

number of observations eliminating duplicates

```
n_distinct(Hscore_2015)
```

```
## [1] 158
```

```
n_distinct(Hscore_2016)
```

```
## [1] 157
```

```
n_distinct(Hscore_2017)
```

```
## [1] 155
```

number of rows in years

```
nrow(Hscore_2015)
```

```
## [1] 158
```

```
nrow(Hscore_2016)
```

```
## [1] 157
```

```
nrow(Hscore_2017)
```

```
## [1] 155
```

Bind the data for further calculations

```
Total <- bind_rows(Hscore_2015, Hscore_2016, Hscore_2017)
View(Total)
```

Inspect the new table that has been created

```
colnames(Total) #List of column names
```

```
## [1] "Country"           "Region"
## [3] "Happiness_Rank"    "Happiness_Score"
## [5] "Standard Error"    "Economy"
## [7] "Family"            "Health"
## [9] "Freedom"           "Trust"
## [11] "Generosity"        "Dystopia_Residual"
## [13] "Lower Confidence Interval" "Upper Confidence Interval"
```

```
nrow(Total) #How many rows are in data frame?
```

```
## [1] 470
```

```
dim(Total) #Dimensions of the data frame?
```

```
## [1] 470 14
```

```
head(Total) #See the first 6 rows of data frame. Also tail(all_trips)
```

```
## # A tibble: 6 x 14
##   Country Region Happiness_Rank Happiness_Score 'Standard Error' Economy Family
##   <chr>    <chr>          <dbl>          <dbl>          <dbl>    <dbl> <dbl>
## 1 Switzer~ Weste~           1            7.59          0.0341     1.40  1.35
## 2 Iceland Weste~           2            7.56          0.0488     1.30  1.40
## 3 Denmark Weste~           3            7.53          0.0333     1.33  1.36
## 4 Norway  Weste~           4            7.52          0.0388     1.46  1.33
## 5 Canada  North~           5            7.43          0.0355     1.33  1.32
## 6 Finland Weste~           6            7.41          0.0314     1.29  1.32
## # ... with 7 more variables: Health <dbl>, Freedom <dbl>, Trust <dbl>,
## #   Generosity <dbl>, Dystopia_Residual <dbl>,
## #   'Lower Confidence Interval' <dbl>, 'Upper Confidence Interval' <dbl>
```

```
str(Total) #See list of columns and data types (numeric, character, etc)
```

```
## spec_tbl_df [470 x 14] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
##  $ Country      : chr [1:470] "Switzerland" "Iceland" "Denmark" "Norway" ...
##  $ Region       : chr [1:470] "Western Europe" "Western Europe" "Western Europe" "Western Europe" ...
##  $ Happiness_Rank : num [1:470] 1 2 3 4 5 6 7 8 9 10 ...
##  $ Happiness_Score : num [1:470] 7.59 7.56 7.53 7.52 7.43 ...
##  $ Standard Error : num [1:470] 0.0341 0.0488 0.0333 0.0388 0.0355 ...
##  $ Economy       : num [1:470] 1.4 1.3 1.33 1.46 1.33 ...
##  $ Family        : num [1:470] 1.35 1.4 1.36 1.33 1.32 ...
##  $ Health        : num [1:470] 0.941 0.948 0.875 0.885 0.906 ...
##  $ Freedom       : num [1:470] 0.666 0.629 0.649 0.67 0.633 ...
##  $ Trust         : num [1:470] 0.42 0.141 0.484 0.365 0.33 ...
##  $ Generosity    : num [1:470] 0.297 0.436 0.341 0.347 0.458 ...
##  $ Dystopia_Residual : num [1:470] 2.52 2.7 2.49 2.47 2.45 ...
##  $ Lower Confidence Interval: num [1:470] NA NA NA NA NA NA NA NA NA ...
##  $ Upper Confidence Interval: num [1:470] NA NA NA NA NA NA NA NA NA ...
##  - attr(*, "spec")=
##    .. cols(
##      .. Country = col_character(),
##      .. Region = col_character(),
##      .. 'Happiness Rank' = col_double(),
##      .. 'Happiness Score' = col_double(),
##      .. 'Standard Error' = col_double(),
##      .. 'Economy (GDP per Capita)' = col_double(),
##      .. Family = col_double(),
##      .. 'Health (Life Expectancy)' = col_double(),
##      .. Freedom = col_double(),
##      .. 'Trust (Government Corruption)' = col_double(),
##      .. Generosity = col_double(),
##      .. 'Dystopia Residual' = col_double()
##    .. )
##  - attr(*, "problems")=<externalptr>
```

```
summary(Total) #Statistical summary of data. Mainly for numerics
```

```
##      Country           Region      Happiness_Rank  Happiness_Score
## Length:470      Length:470      Min.   : 1.00      Min.   :2.693
## Class :character Class :character 1st Qu.: 40.00      1st Qu.:4.509
## Mode  :character Mode  :character Median : 79.00      Median :5.282
##                                     Mean  : 78.83      Mean  :5.371
##                                     3rd Qu.:118.00      3rd Qu.:6.234
##                                     Max.   :158.00      Max.   :7.587
##
## Standard Error      Economy      Family      Health
## Min.   :0.01848      Min.   :0.0000      Min.   :0.0000      Min.   :0.0000
## 1st Qu.:0.03727      1st Qu.:0.6053      1st Qu.:0.7930      1st Qu.:0.4023
## Median :0.04394      Median :0.9954      Median :1.0257      Median :0.6301
## Mean   :0.04788      Mean   :0.9278      Mean   :0.9903      Mean   :0.5800
## 3rd Qu.:0.05230      3rd Qu.:1.2524      3rd Qu.:1.2287      3rd Qu.:0.7683
## Max.   :0.13693      Max.   :1.8708      Max.   :1.6106      Max.   :1.0252
## NA's   :312
##      Freedom      Trust      Generosity      Dystopia_Residual
## Min.   :0.0000      Min.   :0.00000      Min.   :0.0000      Min.   :0.3286
## 1st Qu.:0.2976      1st Qu.:0.05978      1st Qu.:0.1528      1st Qu.:1.7380
## Median :0.4183      Median :0.09950      Median :0.2231      Median :2.0946
## Mean   :0.4028      Mean   :0.13479      Mean   :0.2422      Mean   :2.0927
## 3rd Qu.:0.5169      3rd Qu.:0.17316      3rd Qu.:0.3158      3rd Qu.:2.4556
## Max.   :0.6697      Max.   :0.55191      Max.   :0.8381      Max.   :3.8377
##
## Lower Confidence Interval Upper Confidence Interval
## Min.   :2.521           Min.   :2.865
## 1st Qu.:4.366           1st Qu.:4.552
## Median :5.211           Median :5.395
## Mean   :5.269           Mean   :5.467
## 3rd Qu.:6.087           3rd Qu.:6.383
## Max.   :7.480           Max.   :7.669
## NA's   :158           NA's   :158
```

```
View(Total)
```

```
mean(Total$`Happiness_Score`) #straight average (total score / n)
```

```
## [1] 5.370728
```

```
median(Total$`Happiness_Score`) #midpoint number in the ascending array of score
```

```
## [1] 5.2825
```

```
max(Total$`Happiness_Score`) #high score
```

```
## [1] 7.587
```

```
min(Total$`Happiness_Score`) #low score
```

```
## [1] 2.693
```

```
sd(Total$Happiness_Score,na.rm = FALSE)
```

```
## [1] 1.136998
```

Provide summary

```
summary(Total$`Happiness_Score`)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      2.693   4.509   5.282   5.371   6.234   7.587
```

Find aggregation of Score and Family

```
aggregate(Total$`Happiness_Score` ~ Total$Family, FUN = mean)
```

```
##      Total$Family Total$Happiness_Score
## 1      0.0000000      3.224667
## 2      0.1041900      3.484000
## 3      0.1103700      3.360000
## 4      0.1399500      2.839000
## 5      0.1470000      4.156000
## 6      0.1486600      3.069000
## 7      0.1851900      3.832000
## 8      0.1924900      4.252000
## 9      0.2344200      2.905000
## 10     0.2474900      4.643000
## 11     0.2613500      5.132000
## 12     0.2924700      4.404000
## 13     0.2956100      4.028000
## 14     0.3028500      3.575000
## 15     0.3109000      3.607000
## 16     0.3361300      5.440000
## 17     0.3538600      3.340000
## 18     0.3793200      4.508000
## 19     0.3817400      4.565000
## 20     0.3856200      4.297000
## 21     0.3859500      5.151000
## 22     0.3885700      4.813000
## 23     0.3961026      3.462000
## 24     0.4113400      4.292000
## 25     0.4141100      5.194000
## 26     0.4158700      2.905000
```


## 27	0.4310600	4.694000
## 28	0.4316500	5.045000
## 29	0.4318825	3.495000
## 30	0.4352998	3.657000
## 31	0.4611500	3.695000
## 32	0.4647500	3.656000
## 33	0.4748900	3.006000
## 34	0.4749300	3.724000
## 35	0.4779900	4.236000
## 36	0.4935300	4.276000
## 37	0.4981300	4.362000
## 38	0.5016300	4.655000
## 39	0.5035300	3.622000
## 40	0.5125688	3.970000
## 41	0.5375000	3.907000
## 42	0.5444700	4.686000
## 43	0.5497000	4.876000
## 44	0.5706149	4.286000
## 45	0.5757600	3.916000
## 46	0.5815433	3.794000
## 47	0.5920500	4.575000
## 48	0.5920700	4.369000
## 49	0.6013231	3.591000
## 50	0.6032300	3.956000
## 51	0.6040600	4.512000
## 52	0.6042900	4.739000
## 53	0.6053000	3.856000
## 54	0.6080900	5.488000
## 55	0.6158600	3.515000
## 56	0.6247700	4.360000
## 57	0.6254200	4.513000
## 58	0.6273600	3.819000
## 59	0.6280000	4.635000
## 60	0.6297936	2.905000
## 61	0.6305400	3.739000
## 62	0.6317800	3.763000
## 63	0.6376000	4.795000
## 64	0.6404498	3.603000
## 65	0.6409500	5.013000
## 66	0.6418400	5.129000
## 67	0.6436700	5.163000
## 68	0.6449800	4.875000
## 69	0.6606200	5.401000
## 70	0.6629000	3.989000
## 71	0.6636600	3.866000
## 72	0.6680100	3.681000
## 73	0.6726907	5.269000
## 74	0.6795400	4.633000
## 75	0.6809300	4.077000
## 76	0.6865500	5.956000
## 77	0.6969900	4.793000
## 78	0.6998100	4.395000
## 79	0.7036200	4.574000
## 80	0.7069700	5.546000

## 81	0.7090500	4.307000
## 82	0.7115512	4.692000
## 83	0.7146000	6.778000
## 84	0.7147800	4.193000
## 85	0.7162900	4.754000
## 86	0.7211514	5.151000
## 87	0.7219400	5.835000
## 88	0.7236800	4.121000
## 89	0.7280300	5.528000
## 90	0.7351317	4.608000
## 91	0.7380300	4.876000
## 92	0.7417300	5.161000
## 93	0.7430200	4.518000
## 94	0.7470000	4.194000
## 95	0.7543726	4.315000
## 96	0.7547300	5.033000
## 97	0.7559600	4.871000
## 98	0.7560200	4.996000
## 99	0.7569500	5.648000
## 100	0.7586200	5.057000
## 101	0.7604200	5.291000
## 102	0.7606200	3.667000
## 103	0.7624000	4.356000
## 104	0.7711500	3.655000
## 105	0.7726500	3.845000
## 106	0.7737000	3.465000
## 107	0.7741600	4.219000
## 108	0.7748644	5.235000
## 109	0.7762300	3.666000
## 110	0.7771100	4.350000
## 111	0.7786600	6.269000
## 112	0.7823600	5.121000
## 113	0.7896800	4.571000
## 114	0.7911700	5.061000
## 115	0.7912447	3.507000
## 116	0.7927300	3.956000
## 117	0.7938100	5.245000
## 118	0.7962400	5.759000
## 119	0.8000100	4.839000
## 120	0.8036852	4.644000
## 121	0.8043400	4.959000
## 122	0.8067600	4.272000
## 123	0.8097500	6.068000
## 124	0.8119800	5.589000
## 125	0.8125500	5.743000
## 126	0.8132900	5.177000
## 127	0.8182600	5.771000
## 128	0.8188900	4.677000
## 129	0.8192800	4.139000
## 130	0.8313200	5.897000
## 131	0.8320444	4.291000
## 132	0.8330900	6.355000
## 133	0.8377900	5.822000
## 134	0.8414200	4.201000

## 135	0.8478300	4.415000
## 136	0.8482900	6.379000
## 137	0.8518800	3.587000
## 138	0.8556300	4.786000
## 139	0.8597400	5.976000
## 140	0.8604000	4.033000
## 141	0.8621600	5.303000
## 142	0.8633300	4.073000
## 143	0.8644900	4.514000
## 144	0.8646692	4.460000
## 145	0.8675800	6.739000
## 146	0.8683515	4.805000
## 147	0.8690800	4.436000
## 148	0.8702100	5.458000
## 149	0.8707010	4.550000
## 150	0.8711400	6.573000
## 151	0.8711900	6.324000
## 152	0.8721179	3.533000
## 153	0.8736647	4.120000
## 154	0.8762500	5.314000
## 155	0.8771700	5.389000
## 156	0.8775800	6.239000
## 157	0.8787700	5.279000
## 158	0.8796400	6.375000
## 159	0.8802500	6.005000
## 160	0.8858800	5.124000
## 161	0.8876700	4.252000
## 162	0.8918600	3.974000
## 163	0.8931800	5.689000
## 164	0.8952100	5.992000
## 165	0.9043200	5.268000
## 166	0.9047800	4.180000
## 167	0.9052800	3.896000
## 168	0.9055700	5.192000
## 169	0.9058700	6.705000
## 170	0.9083600	5.196000
## 171	0.9098100	3.739000
## 172	0.9122600	5.360000
## 173	0.9130204	3.644000
## 174	0.9145100	7.187000
## 175	0.9161200	5.129000
## 176	0.9191600	4.949000
## 177	0.9254200	4.217000
## 178	0.9255800	4.715000
## 179	0.9262400	6.379000
## 180	0.9293300	4.857000
## 181	0.9316400	5.145000
## 182	0.9353822	3.593000
## 183	0.9379300	5.212000
## 184	0.9436700	5.123000
## 185	0.9439700	6.218000
## 186	0.9457070	3.471000
## 187	0.9460182	4.695000
## 188	0.9463200	5.332000

## 189	0.9467500	5.140000
## 190	0.9502500	5.560000
## 191	0.9507600	5.615000
## 192	0.9515200	5.057000
## 193	0.9534800	4.788000
## 194	0.9538559	3.936000
## 195	0.9543400	5.185000
## 196	0.9554400	5.919000
## 197	0.9557100	4.507000
## 198	0.9577400	5.984000
## 199	0.9605300	4.459000
## 200	0.9637200	5.510000
## 201	0.9679830	5.293000
## 202	0.9720000	6.269000
## 203	0.9745900	5.824000
## 204	0.9761900	3.904000
## 205	0.9784100	5.890000
## 206	0.9786132	4.497000
## 207	0.9841360	4.709000
## 208	0.9852100	5.477000
## 209	0.9856900	6.168000
## 210	0.9891200	6.701000
## 211	0.9930250	4.028000
## 212	0.9949600	5.155000
## 213	0.9953700	7.267000
## 214	0.9974714	4.735000
## 215	0.9987600	4.419000
## 216	0.9990300	5.975000
## 217	1.0012000	4.517000
## 218	1.0023200	5.007000
## 219	1.0026800	3.781000
## 220	1.0031873	4.514000
## 221	1.0050800	6.478000
## 222	1.0062383	4.168000
## 223	1.0074837	4.376000
## 224	1.0079300	6.596000
## 225	1.0096400	5.123000
## 226	1.0140400	4.550000
## 227	1.0141300	4.324000
## 228	1.0152800	5.889000
## 229	1.0190500	4.271000
## 230	1.0200000	6.798000
## 231	1.0215200	7.087000
## 232	1.0216900	6.481000
## 233	1.0250700	6.130000
## 234	1.0262600	4.971000
## 235	1.0291200	7.339000
## 236	1.0314300	6.545000
## 237	1.0327600	4.610000
## 238	1.0330200	6.084000
## 239	1.0351600	5.073000
## 240	1.0352600	3.995000
## 241	1.0381700	5.658000
## 242	1.0393800	6.952000

## 243	1.0399900	6.871000
## 244	1.0410300	4.898000
## 245	1.0416700	5.977000
## 246	1.0419898	3.349000
## 247	1.0432800	4.032000
## 248	1.0435600	6.123000
## 249	1.0447700	6.474000
## 250	1.0468500	5.835000
## 251	1.0478200	7.104000
## 252	1.0499300	5.802000
## 253	1.0516300	5.517000
## 254	1.0524900	6.929000
## 255	1.0526100	5.856000
## 256	1.0539200	5.192000
## 257	1.0561300	5.768000
## 258	1.0581800	5.474000
## 259	1.0605400	5.921000
## 260	1.0641100	5.813000
## 261	1.0661200	6.650000
## 262	1.0679507	4.553000
## 263	1.0693359	5.182000
## 264	1.0700800	5.695000
## 265	1.0702300	5.770000
## 266	1.0728400	4.867000
## 267	1.0761700	6.298000
## 268	1.0777200	5.605000
## 269	1.0786000	6.611000
## 270	1.0811300	7.039000
## 271	1.0814178	5.956000
## 272	1.0818200	6.853000
## 273	1.0826800	6.078000
## 274	1.0830959	3.875000
## 275	1.0838300	7.119000
## 276	1.0839300	6.411000
## 277	1.0867200	6.725000
## 278	1.0870800	5.399000
## 279	1.0876400	7.291000
## 280	1.0898300	4.907000
## 281	1.0956200	5.098000
## 282	1.0961000	7.404000
## 283	1.0977400	6.994000
## 284	1.0984708	4.574000
## 285	1.0987900	6.488000
## 286	1.1039500	5.253000
## 287	1.1044120	3.795000
## 288	1.1046400	4.332000
## 289	1.1047600	7.313000
## 290	1.1061400	4.218000
## 291	1.1111100	5.538000
## 292	1.1186200	5.754000
## 293	1.1224100	5.855000
## 294	1.1232359	4.545000
## 295	1.1244700	6.670000
## 296	1.1257500	6.901000

## 297	1.1269000	7.498000
## 298	1.1282744	5.838000
## 299	1.1294500	6.361000
## 300	1.1296242	5.225000
## 301	1.1298277	4.081000
## 302	1.1313633	5.621000
## 303	1.1329900	3.931000
## 304	1.1346400	7.413000
## 305	1.1378535	5.279000
## 306	1.1393500	5.102000
## 307	1.1418400	5.828000
## 308	1.1439450	5.181000
## 309	1.1452400	7.509000
## 310	1.1462175	5.872000
## 311	1.1500913	5.825000
## 312	1.1510200	5.709000
## 313	1.1511500	5.286000
## 314	1.1524003	5.234000
## 315	1.1556202	4.465000
## 316	1.1556472	4.775000
## 317	1.1608374	5.273000
## 318	1.1615700	6.907000
## 319	1.1637400	7.526000
## 320	1.1659400	6.295000
## 321	1.1681000	5.987000
## 322	1.1720200	4.885000
## 323	1.1727800	7.334000
## 324	1.1792833	4.962000
## 325	1.1796919	4.535000
## 326	1.1821251	6.003000
## 327	1.1832600	7.501000
## 328	1.1835400	6.168000
## 329	1.1846800	4.642000
## 330	1.1863034	5.810000
## 331	1.1900952	3.808000
## 332	1.1977700	5.948000
## 333	1.1985000	6.786000
## 334	1.2021500	4.800000
## 335	1.2027800	4.681000
## 336	1.2064300	6.505000
## 337	1.2078930	5.175000
## 338	1.2089000	6.485000
## 339	1.2095610	5.629000
## 340	1.2108622	6.578000
## 341	1.2140086	4.139000
## 342	1.2157705	5.074000
## 343	1.2162400	5.960000
## 344	1.2187704	5.715000
## 345	1.2196300	6.946000
## 346	1.2215550	3.766000
## 347	1.2239300	7.278000
## 348	1.2266800	5.548000
## 349	1.2276191	5.823000
## 350	1.2279100	5.429000

## 351	1.2290235	4.280000
## 352	1.2328700	6.983000
## 353	1.2328900	5.813000
## 354	1.2361700	5.716000
## 355	1.2378800	7.226000
## 356	1.2383765	5.237000
## 357	1.2390889	5.336000
## 358	1.2394146	5.227000
## 359	1.2401800	6.477000
## 360	1.2471100	7.119000
## 361	1.2482300	6.574000
## 362	1.2518256	5.838000
## 363	1.2539176	5.430000
## 364	1.2555852	6.454000
## 365	1.2559600	6.810000
## 366	1.2571200	5.987000
## 367	1.2574500	5.833000
## 368	1.2581898	5.395000
## 369	1.2596987	6.105000
## 370	1.2599764	4.440000
## 371	1.2603800	6.575000
## 372	1.2627909	5.472000
## 373	1.2650400	6.455000
## 374	1.2664102	6.648000
## 375	1.2699900	5.995000
## 376	1.2714633	5.041000
## 377	1.2720308	4.292000
## 378	1.2738500	5.848000
## 379	1.2742969	6.375000
## 380	1.2744447	5.262000
## 381	1.2774913	5.074000
## 382	1.2794800	5.791000
## 383	1.2801700	7.378000
## 384	1.2814734	4.190000
## 385	1.2840250	6.652000
## 386	1.2846460	6.084000
## 387	1.2854800	6.867000
## 388	1.2856600	6.937000
## 389	1.2861688	6.008000
## 390	1.2866776	6.344000
## 391	1.2872157	6.071000
## 392	1.2890700	7.364000
## 393	1.2970400	7.200000
## 394	1.2993700	6.750000
## 395	1.3006000	4.874000
## 396	1.3020300	6.302000
## 397	1.3047700	5.878000
## 398	1.3092300	7.284000
## 399	1.3137900	6.329000
## 400	1.3182600	7.406000
## 401	1.3196700	7.286000
## 402	1.3226100	7.427000
## 403	1.3231105	6.087000
## 404	1.3309500	7.522000

## 405	1.3377532	5.500000
## 406	1.3401265	5.011000
## 407	1.3404300	6.003000
## 408	1.3431331	5.324000
## 409	1.3495100	7.587000
## 410	1.3538144	6.572000
## 411	1.3575643	5.525000
## 412	1.3605800	7.527000
## 413	1.3670430	5.195000
## 414	1.3682181	5.311000
## 415	1.3694800	6.940000
## 416	1.3731925	6.452000
## 417	1.3762900	7.213000
## 418	1.3802285	6.168000
## 419	1.3843690	5.819000
## 420	1.3845654	6.422000
## 421	1.3847886	4.829000
## 422	1.3877769	6.442000
## 423	1.3942386	5.004000
## 424	1.3945376	4.096000
## 425	1.4021829	6.357000
## 426	1.4022300	7.561000
## 427	1.4024167	5.230000
## 428	1.4047149	5.850000
## 429	1.4122279	6.454000
## 430	1.4164037	7.079000
## 431	1.4199206	6.993000
## 432	1.4257925	6.424000
## 433	1.4289392	7.377000
## 434	1.4313060	6.635000
## 435	1.4313376	5.250000
## 436	1.4338852	6.609000
## 437	1.4343795	4.714000
## 438	1.4363378	5.920000
## 439	1.4404511	6.599000
## 440	1.4449233	5.964000
## 441	1.4449452	5.569000
## 442	1.4457120	5.973000
## 443	1.4525188	5.758000
## 444	1.4575837	6.863000
## 445	1.4599450	7.006000
## 446	1.4623127	6.891000
## 447	1.4692824	5.963000
## 448	1.4725204	6.951000
## 449	1.4735161	5.902000
## 450	1.4766711	5.611000
## 451	1.4781622	7.284000
## 452	1.4813490	7.316000
## 453	1.4884117	6.527000
## 454	1.4930112	4.955000
## 455	1.4931492	5.822000
## 456	1.4964601	6.714000
## 457	1.5050592	6.098000
## 458	1.5072849	5.493000


```
## 459      1.5100420      7.284000
## 460      1.5169117      7.494000
## 461      1.5320909      6.403000
## 462      1.5335236      7.537000
## 463      1.5402467      7.469000
## 464      1.5481951      7.314000
## 465      1.5489691      5.971000
## 466      1.5511216      7.522000
## 467      1.5582311      6.977000
## 468      1.6105740      7.504000
```

```
aggregate(Total$`Happiness_Score` ~ Total$Family, FUN = median)
```

```
##      Total$Family Total$Happiness_Score
## 1      0.0000000      3.303
## 2      0.1041900      3.484
## 3      0.1103700      3.360
## 4      0.1399500      2.839
## 5      0.1470000      4.156
## 6      0.1486600      3.069
## 7      0.1851900      3.832
## 8      0.1924900      4.252
## 9      0.2344200      2.905
## 10     0.2474900      4.643
## 11     0.2613500      5.132
## 12     0.2924700      4.404
## 13     0.2956100      4.028
## 14     0.3028500      3.575
## 15     0.3109000      3.607
## 16     0.3361300      5.440
## 17     0.3538600      3.340
## 18     0.3793200      4.508
## 19     0.3817400      4.565
## 20     0.3856200      4.297
## 21     0.3859500      5.151
## 22     0.3885700      4.813
## 23     0.3961026      3.462
## 24     0.4113400      4.292
## 25     0.4141100      5.194
## 26     0.4158700      2.905
## 27     0.4310600      4.694
## 28     0.4316500      5.045
## 29     0.4318825      3.495
## 30     0.4352998      3.657
## 31     0.4611500      3.695
## 32     0.4647500      3.656
## 33     0.4748900      3.006
## 34     0.4749300      3.724
## 35     0.4779900      4.236
## 36     0.4935300      4.276
## 37     0.4981300      4.362
## 38     0.5016300      4.655
## 39     0.5035300      3.622
## 40     0.5125688      3.970
```

## 41	0.5375000	3.907
## 42	0.5444700	4.686
## 43	0.5497000	4.876
## 44	0.5706149	4.286
## 45	0.5757600	3.916
## 46	0.5815433	3.794
## 47	0.5920500	4.575
## 48	0.5920700	4.369
## 49	0.6013231	3.591
## 50	0.6032300	3.956
## 51	0.6040600	4.512
## 52	0.6042900	4.739
## 53	0.6053000	3.856
## 54	0.6080900	5.488
## 55	0.6158600	3.515
## 56	0.6247700	4.360
## 57	0.6254200	4.513
## 58	0.6273600	3.819
## 59	0.6280000	4.635
## 60	0.6297936	2.905
## 61	0.6305400	3.739
## 62	0.6317800	3.763
## 63	0.6376000	4.795
## 64	0.6404498	3.603
## 65	0.6409500	5.013
## 66	0.6418400	5.129
## 67	0.6436700	5.163
## 68	0.6449800	4.875
## 69	0.6606200	5.401
## 70	0.6629000	3.989
## 71	0.6636600	3.866
## 72	0.6680100	3.681
## 73	0.6726907	5.269
## 74	0.6795400	4.633
## 75	0.6809300	4.077
## 76	0.6865500	5.956
## 77	0.6969900	4.793
## 78	0.6998100	4.395
## 79	0.7036200	4.574
## 80	0.7069700	5.546
## 81	0.7090500	4.307
## 82	0.7115512	4.692
## 83	0.7146000	6.778
## 84	0.7147800	4.193
## 85	0.7162900	4.754
## 86	0.7211514	5.151
## 87	0.7219400	5.835
## 88	0.7236800	4.121
## 89	0.7280300	5.528
## 90	0.7351317	4.608
## 91	0.7380300	4.876
## 92	0.7417300	5.161
## 93	0.7430200	4.518
## 94	0.7470000	4.194

## 95	0.7543726	4.315
## 96	0.7547300	5.033
## 97	0.7559600	4.871
## 98	0.7560200	4.996
## 99	0.7569500	5.648
## 100	0.7586200	5.057
## 101	0.7604200	5.291
## 102	0.7606200	3.667
## 103	0.7624000	4.356
## 104	0.7711500	3.655
## 105	0.7726500	3.845
## 106	0.7737000	3.465
## 107	0.7741600	4.219
## 108	0.7748644	5.235
## 109	0.7762300	3.666
## 110	0.7771100	4.350
## 111	0.7786600	6.269
## 112	0.7823600	5.121
## 113	0.7896800	4.571
## 114	0.7911700	5.061
## 115	0.7912447	3.507
## 116	0.7927300	3.956
## 117	0.7938100	5.245
## 118	0.7962400	5.759
## 119	0.8000100	4.839
## 120	0.8036852	4.644
## 121	0.8043400	4.959
## 122	0.8067600	4.272
## 123	0.8097500	6.068
## 124	0.8119800	5.589
## 125	0.8125500	5.743
## 126	0.8132900	5.177
## 127	0.8182600	5.771
## 128	0.8188900	4.677
## 129	0.8192800	4.139
## 130	0.8313200	5.897
## 131	0.8320444	4.291
## 132	0.8330900	6.355
## 133	0.8377900	5.822
## 134	0.8414200	4.201
## 135	0.8478300	4.415
## 136	0.8482900	6.379
## 137	0.8518800	3.587
## 138	0.8556300	4.786
## 139	0.8597400	5.976
## 140	0.8604000	4.033
## 141	0.8621600	5.303
## 142	0.8633300	4.073
## 143	0.8644900	4.514
## 144	0.8646692	4.460
## 145	0.8675800	6.739
## 146	0.8683515	4.805
## 147	0.8690800	4.436
## 148	0.8702100	5.458

## 149	0.8707010	4.550
## 150	0.8711400	6.573
## 151	0.8711900	6.324
## 152	0.8721179	3.533
## 153	0.8736647	4.120
## 154	0.8762500	5.314
## 155	0.8771700	5.389
## 156	0.8775800	6.239
## 157	0.8787700	5.279
## 158	0.8796400	6.375
## 159	0.8802500	6.005
## 160	0.8858800	5.124
## 161	0.8876700	4.252
## 162	0.8918600	3.974
## 163	0.8931800	5.689
## 164	0.8952100	5.992
## 165	0.9043200	5.268
## 166	0.9047800	4.180
## 167	0.9052800	3.896
## 168	0.9055700	5.192
## 169	0.9058700	6.705
## 170	0.9083600	5.196
## 171	0.9098100	3.739
## 172	0.9122600	5.360
## 173	0.9130204	3.644
## 174	0.9145100	7.187
## 175	0.9161200	5.129
## 176	0.9191600	4.949
## 177	0.9254200	4.217
## 178	0.9255800	4.715
## 179	0.9262400	6.379
## 180	0.9293300	4.857
## 181	0.9316400	5.145
## 182	0.9353822	3.593
## 183	0.9379300	5.212
## 184	0.9436700	5.123
## 185	0.9439700	6.218
## 186	0.9457070	3.471
## 187	0.9460182	4.695
## 188	0.9463200	5.332
## 189	0.9467500	5.140
## 190	0.9502500	5.560
## 191	0.9507600	5.615
## 192	0.9515200	5.057
## 193	0.9534800	4.788
## 194	0.9538559	3.936
## 195	0.9543400	5.185
## 196	0.9554400	5.919
## 197	0.9557100	4.507
## 198	0.9577400	5.984
## 199	0.9605300	4.459
## 200	0.9637200	5.510
## 201	0.9679830	5.293
## 202	0.9720000	6.269

## 203	0.9745900	5.824
## 204	0.9761900	3.904
## 205	0.9784100	5.890
## 206	0.9786132	4.497
## 207	0.9841360	4.709
## 208	0.9852100	5.477
## 209	0.9856900	6.168
## 210	0.9891200	6.701
## 211	0.9930250	4.028
## 212	0.9949600	5.155
## 213	0.9953700	7.267
## 214	0.9974714	4.735
## 215	0.9987600	4.419
## 216	0.9990300	5.975
## 217	1.0012000	4.517
## 218	1.0023200	5.007
## 219	1.0026800	3.781
## 220	1.0031873	4.514
## 221	1.0050800	6.478
## 222	1.0062383	4.168
## 223	1.0074837	4.376
## 224	1.0079300	6.596
## 225	1.0096400	5.123
## 226	1.0140400	4.550
## 227	1.0141300	4.324
## 228	1.0152800	5.889
## 229	1.0190500	4.271
## 230	1.0200000	6.798
## 231	1.0215200	7.087
## 232	1.0216900	6.481
## 233	1.0250700	6.130
## 234	1.0262600	4.971
## 235	1.0291200	7.339
## 236	1.0314300	6.545
## 237	1.0327600	4.610
## 238	1.0330200	6.084
## 239	1.0351600	5.073
## 240	1.0352600	3.995
## 241	1.0381700	5.658
## 242	1.0393800	6.952
## 243	1.0399900	6.871
## 244	1.0410300	4.898
## 245	1.0416700	5.977
## 246	1.0419898	3.349
## 247	1.0432800	4.032
## 248	1.0435600	6.123
## 249	1.0447700	6.474
## 250	1.0468500	5.835
## 251	1.0478200	7.104
## 252	1.0499300	5.802
## 253	1.0516300	5.517
## 254	1.0524900	6.929
## 255	1.0526100	5.856
## 256	1.0539200	5.192

## 257	1.0561300	5.768
## 258	1.0581800	5.474
## 259	1.0605400	5.921
## 260	1.0641100	5.813
## 261	1.0661200	6.650
## 262	1.0679507	4.553
## 263	1.0693359	5.182
## 264	1.0700800	5.695
## 265	1.0702300	5.770
## 266	1.0728400	4.867
## 267	1.0761700	6.298
## 268	1.0777200	5.605
## 269	1.0786000	6.611
## 270	1.0811300	7.039
## 271	1.0814178	5.956
## 272	1.0818200	6.853
## 273	1.0826800	6.078
## 274	1.0830959	3.875
## 275	1.0838300	7.119
## 276	1.0839300	6.411
## 277	1.0867200	6.725
## 278	1.0870800	5.399
## 279	1.0876400	7.291
## 280	1.0898300	4.907
## 281	1.0956200	5.098
## 282	1.0961000	7.404
## 283	1.0977400	6.994
## 284	1.0984708	4.574
## 285	1.0987900	6.488
## 286	1.1039500	5.253
## 287	1.1044120	3.795
## 288	1.1046400	4.332
## 289	1.1047600	7.313
## 290	1.1061400	4.218
## 291	1.1111100	5.538
## 292	1.1186200	5.754
## 293	1.1224100	5.855
## 294	1.1232359	4.545
## 295	1.1244700	6.670
## 296	1.1257500	6.901
## 297	1.1269000	7.498
## 298	1.1282744	5.838
## 299	1.1294500	6.361
## 300	1.1296242	5.225
## 301	1.1298277	4.081
## 302	1.1313633	5.621
## 303	1.1329900	3.931
## 304	1.1346400	7.413
## 305	1.1378535	5.279
## 306	1.1393500	5.102
## 307	1.1418400	5.828
## 308	1.1439450	5.181
## 309	1.1452400	7.509
## 310	1.1462175	5.872

## 311	1.1500913	5.825
## 312	1.1510200	5.709
## 313	1.1511500	5.286
## 314	1.1524003	5.234
## 315	1.1556202	4.465
## 316	1.1556472	4.775
## 317	1.1608374	5.273
## 318	1.1615700	6.907
## 319	1.1637400	7.526
## 320	1.1659400	6.295
## 321	1.1681000	5.987
## 322	1.1720200	4.885
## 323	1.1727800	7.334
## 324	1.1792833	4.962
## 325	1.1796919	4.535
## 326	1.1821251	6.003
## 327	1.1832600	7.501
## 328	1.1835400	6.168
## 329	1.1846800	4.642
## 330	1.1863034	5.810
## 331	1.1900952	3.808
## 332	1.1977700	5.948
## 333	1.1985000	6.786
## 334	1.2021500	4.800
## 335	1.2027800	4.681
## 336	1.2064300	6.505
## 337	1.2078930	5.175
## 338	1.2089000	6.485
## 339	1.2095610	5.629
## 340	1.2108622	6.578
## 341	1.2140086	4.139
## 342	1.2157705	5.074
## 343	1.2162400	5.960
## 344	1.2187704	5.715
## 345	1.2196300	6.946
## 346	1.2215550	3.766
## 347	1.2239300	7.278
## 348	1.2266800	5.548
## 349	1.2276191	5.823
## 350	1.2279100	5.429
## 351	1.2290235	4.280
## 352	1.2328700	6.983
## 353	1.2328900	5.813
## 354	1.2361700	5.716
## 355	1.2378800	7.226
## 356	1.2383765	5.237
## 357	1.2390889	5.336
## 358	1.2394146	5.227
## 359	1.2401800	6.477
## 360	1.2471100	7.119
## 361	1.2482300	6.574
## 362	1.2518256	5.838
## 363	1.2539176	5.430
## 364	1.2555852	6.454

## 365	1.2559600	6.810
## 366	1.2571200	5.987
## 367	1.2574500	5.833
## 368	1.2581898	5.395
## 369	1.2596987	6.105
## 370	1.2599764	4.440
## 371	1.2603800	6.575
## 372	1.2627909	5.472
## 373	1.2650400	6.455
## 374	1.2664102	6.648
## 375	1.2699900	5.995
## 376	1.2714633	5.041
## 377	1.2720308	4.292
## 378	1.2738500	5.848
## 379	1.2742969	6.375
## 380	1.2744447	5.262
## 381	1.2774913	5.074
## 382	1.2794800	5.791
## 383	1.2801700	7.378
## 384	1.2814734	4.190
## 385	1.2840250	6.652
## 386	1.2846460	6.084
## 387	1.2854800	6.867
## 388	1.2856600	6.937
## 389	1.2861688	6.008
## 390	1.2866776	6.344
## 391	1.2872157	6.071
## 392	1.2890700	7.364
## 393	1.2970400	7.200
## 394	1.2993700	6.750
## 395	1.3006000	4.874
## 396	1.3020300	6.302
## 397	1.3047700	5.878
## 398	1.3092300	7.284
## 399	1.3137900	6.329
## 400	1.3182600	7.406
## 401	1.3196700	7.286
## 402	1.3226100	7.427
## 403	1.3231105	6.087
## 404	1.3309500	7.522
## 405	1.3377532	5.500
## 406	1.3401265	5.011
## 407	1.3404300	6.003
## 408	1.3431331	5.324
## 409	1.3495100	7.587
## 410	1.3538144	6.572
## 411	1.3575643	5.525
## 412	1.3605800	7.527
## 413	1.3670430	5.195
## 414	1.3682181	5.311
## 415	1.3694800	6.940
## 416	1.3731925	6.452
## 417	1.3762900	7.213
## 418	1.3802285	6.168


```
## 419      1.3843690      5.819
## 420      1.3845654      6.422
## 421      1.3847886      4.829
## 422      1.3877769      6.442
## 423      1.3942386      5.004
## 424      1.3945376      4.096
## 425      1.4021829      6.357
## 426      1.4022300      7.561
## 427      1.4024167      5.230
## 428      1.4047149      5.850
## 429      1.4122279      6.454
## 430      1.4164037      7.079
## 431      1.4199206      6.993
## 432      1.4257925      6.424
## 433      1.4289392      7.377
## 434      1.4313060      6.635
## 435      1.4313376      5.250
## 436      1.4338852      6.609
## 437      1.4343795      4.714
## 438      1.4363378      5.920
## 439      1.4404511      6.599
## 440      1.4449233      5.964
## 441      1.4449452      5.569
## 442      1.4457120      5.973
## 443      1.4525188      5.758
## 444      1.4575837      6.863
## 445      1.4599450      7.006
## 446      1.4623127      6.891
## 447      1.4692824      5.963
## 448      1.4725204      6.951
## 449      1.4735161      5.902
## 450      1.4766711      5.611
## 451      1.4781622      7.284
## 452      1.4813490      7.316
## 453      1.4884117      6.527
## 454      1.4930112      4.955
## 455      1.4931492      5.822
## 456      1.4964601      6.714
## 457      1.5050592      6.098
## 458      1.5072849      5.493
## 459      1.5100420      7.284
## 460      1.5169117      7.494
## 461      1.5320909      6.403
## 462      1.5335236      7.537
## 463      1.5402467      7.469
## 464      1.5481951      7.314
## 465      1.5489691      5.971
## 466      1.5511216      7.522
## 467      1.5582311      6.977
## 468      1.6105740      7.504
```

```
aggregate(Total$`Happiness_Score` ~ Total$Family, FUN = max)
```

```
##      Total$Family Total$Happiness_Score
```

## 1	0.0000000	3.678
## 2	0.1041900	3.484
## 3	0.1103700	3.360
## 4	0.1399500	2.839
## 5	0.1470000	4.156
## 6	0.1486600	3.069
## 7	0.1851900	3.832
## 8	0.1924900	4.252
## 9	0.2344200	2.905
## 10	0.2474900	4.643
## 11	0.2613500	5.132
## 12	0.2924700	4.404
## 13	0.2956100	4.028
## 14	0.3028500	3.575
## 15	0.3109000	3.607
## 16	0.3361300	5.440
## 17	0.3538600	3.340
## 18	0.3793200	4.508
## 19	0.3817400	4.565
## 20	0.3856200	4.297
## 21	0.3859500	5.151
## 22	0.3885700	4.813
## 23	0.3961026	3.462
## 24	0.4113400	4.292
## 25	0.4141100	5.194
## 26	0.4158700	2.905
## 27	0.4310600	4.694
## 28	0.4316500	5.045
## 29	0.4318825	3.495
## 30	0.4352998	3.657
## 31	0.4611500	3.695
## 32	0.4647500	3.656
## 33	0.4748900	3.006
## 34	0.4749300	3.724
## 35	0.4779900	4.236
## 36	0.4935300	4.276
## 37	0.4981300	4.362
## 38	0.5016300	4.655
## 39	0.5035300	3.622
## 40	0.5125688	3.970
## 41	0.5375000	3.907
## 42	0.5444700	4.686
## 43	0.5497000	4.876
## 44	0.5706149	4.286
## 45	0.5757600	3.916
## 46	0.5815433	3.794
## 47	0.5920500	4.575
## 48	0.5920700	4.369
## 49	0.6013231	3.591
## 50	0.6032300	3.956
## 51	0.6040600	4.512
## 52	0.6042900	4.739
## 53	0.6053000	3.856
## 54	0.6080900	5.488

## 55	0.6158600	3.515
## 56	0.6247700	4.360
## 57	0.6254200	4.513
## 58	0.6273600	3.819
## 59	0.6280000	4.635
## 60	0.6297936	2.905
## 61	0.6305400	3.739
## 62	0.6317800	3.763
## 63	0.6376000	4.795
## 64	0.6404498	3.603
## 65	0.6409500	5.013
## 66	0.6418400	5.129
## 67	0.6436700	5.163
## 68	0.6449800	4.875
## 69	0.6606200	5.401
## 70	0.6629000	3.989
## 71	0.6636600	3.866
## 72	0.6680100	3.681
## 73	0.6726907	5.269
## 74	0.6795400	4.633
## 75	0.6809300	4.077
## 76	0.6865500	5.956
## 77	0.6969900	4.793
## 78	0.6998100	4.395
## 79	0.7036200	4.574
## 80	0.7069700	5.546
## 81	0.7090500	4.307
## 82	0.7115512	4.692
## 83	0.7146000	6.778
## 84	0.7147800	4.193
## 85	0.7162900	4.754
## 86	0.7211514	5.151
## 87	0.7219400	5.835
## 88	0.7236800	4.121
## 89	0.7280300	5.528
## 90	0.7351317	4.608
## 91	0.7380300	4.876
## 92	0.7417300	5.161
## 93	0.7430200	4.518
## 94	0.7470000	4.194
## 95	0.7543726	4.315
## 96	0.7547300	5.033
## 97	0.7559600	4.871
## 98	0.7560200	4.996
## 99	0.7569500	5.648
## 100	0.7586200	5.057
## 101	0.7604200	5.291
## 102	0.7606200	3.667
## 103	0.7624000	4.356
## 104	0.7711500	3.655
## 105	0.7726500	3.845
## 106	0.7737000	3.465
## 107	0.7741600	4.219
## 108	0.7748644	5.235

## 109	0.7762300	3.666
## 110	0.7771100	4.350
## 111	0.7786600	6.269
## 112	0.7823600	5.121
## 113	0.7896800	4.571
## 114	0.7911700	5.061
## 115	0.7912447	3.507
## 116	0.7927300	3.956
## 117	0.7938100	5.245
## 118	0.7962400	5.759
## 119	0.8000100	4.839
## 120	0.8036852	4.644
## 121	0.8043400	4.959
## 122	0.8067600	4.272
## 123	0.8097500	6.068
## 124	0.8119800	5.589
## 125	0.8125500	5.743
## 126	0.8132900	5.177
## 127	0.8182600	5.771
## 128	0.8188900	4.677
## 129	0.8192800	4.139
## 130	0.8313200	5.897
## 131	0.8320444	4.291
## 132	0.8330900	6.355
## 133	0.8377900	5.822
## 134	0.8414200	4.201
## 135	0.8478300	4.415
## 136	0.8482900	6.379
## 137	0.8518800	3.587
## 138	0.8556300	4.786
## 139	0.8597400	5.976
## 140	0.8604000	4.033
## 141	0.8621600	5.303
## 142	0.8633300	4.073
## 143	0.8644900	4.514
## 144	0.8646692	4.460
## 145	0.8675800	6.739
## 146	0.8683515	4.805
## 147	0.8690800	4.436
## 148	0.8702100	5.458
## 149	0.8707010	4.550
## 150	0.8711400	6.573
## 151	0.8711900	6.324
## 152	0.8721179	3.533
## 153	0.8736647	4.120
## 154	0.8762500	5.314
## 155	0.8771700	5.389
## 156	0.8775800	6.239
## 157	0.8787700	5.279
## 158	0.8796400	6.375
## 159	0.8802500	6.005
## 160	0.8858800	5.124
## 161	0.8876700	4.252
## 162	0.8918600	3.974

## 163	0.8931800	5.689
## 164	0.8952100	5.992
## 165	0.9043200	5.268
## 166	0.9047800	4.180
## 167	0.9052800	3.896
## 168	0.9055700	5.192
## 169	0.9058700	6.705
## 170	0.9083600	5.196
## 171	0.9098100	3.739
## 172	0.9122600	5.360
## 173	0.9130204	3.644
## 174	0.9145100	7.187
## 175	0.9161200	5.129
## 176	0.9191600	4.949
## 177	0.9254200	4.217
## 178	0.9255800	4.715
## 179	0.9262400	6.379
## 180	0.9293300	4.857
## 181	0.9316400	5.145
## 182	0.9353822	3.593
## 183	0.9379300	5.212
## 184	0.9436700	5.123
## 185	0.9439700	6.218
## 186	0.9457070	3.471
## 187	0.9460182	4.695
## 188	0.9463200	5.332
## 189	0.9467500	5.140
## 190	0.9502500	5.560
## 191	0.9507600	5.615
## 192	0.9515200	5.057
## 193	0.9534800	4.788
## 194	0.9538559	3.936
## 195	0.9543400	5.185
## 196	0.9554400	5.919
## 197	0.9557100	4.507
## 198	0.9577400	5.984
## 199	0.9605300	4.459
## 200	0.9637200	5.510
## 201	0.9679830	5.293
## 202	0.9720000	6.269
## 203	0.9745900	5.824
## 204	0.9761900	3.904
## 205	0.9784100	5.890
## 206	0.9786132	4.497
## 207	0.9841360	4.709
## 208	0.9852100	5.477
## 209	0.9856900	6.168
## 210	0.9891200	6.701
## 211	0.9930250	4.028
## 212	0.9949600	5.155
## 213	0.9953700	7.267
## 214	0.9974714	4.735
## 215	0.9987600	4.419
## 216	0.9990300	5.975

## 217	1.0012000	4.517
## 218	1.0023200	5.007
## 219	1.0026800	3.781
## 220	1.0031873	4.514
## 221	1.0050800	6.478
## 222	1.0062383	4.168
## 223	1.0074837	4.376
## 224	1.0079300	6.596
## 225	1.0096400	5.123
## 226	1.0140400	4.550
## 227	1.0141300	4.324
## 228	1.0152800	5.889
## 229	1.0190500	4.271
## 230	1.0200000	6.798
## 231	1.0215200	7.087
## 232	1.0216900	6.481
## 233	1.0250700	6.130
## 234	1.0262600	4.971
## 235	1.0291200	7.339
## 236	1.0314300	6.545
## 237	1.0327600	4.610
## 238	1.0330200	6.084
## 239	1.0351600	5.073
## 240	1.0352600	3.995
## 241	1.0381700	5.658
## 242	1.0393800	6.952
## 243	1.0399900	6.871
## 244	1.0410300	4.898
## 245	1.0416700	5.977
## 246	1.0419898	3.349
## 247	1.0432800	4.032
## 248	1.0435600	6.123
## 249	1.0447700	6.474
## 250	1.0468500	5.835
## 251	1.0478200	7.104
## 252	1.0499300	5.802
## 253	1.0516300	5.517
## 254	1.0524900	6.929
## 255	1.0526100	5.856
## 256	1.0539200	5.192
## 257	1.0561300	5.768
## 258	1.0581800	5.474
## 259	1.0605400	5.921
## 260	1.0641100	5.813
## 261	1.0661200	6.650
## 262	1.0679507	4.553
## 263	1.0693359	5.182
## 264	1.0700800	5.695
## 265	1.0702300	5.770
## 266	1.0728400	4.867
## 267	1.0761700	6.298
## 268	1.0777200	5.605
## 269	1.0786000	6.611
## 270	1.0811300	7.039

## 271	1.0814178	5.956
## 272	1.0818200	6.853
## 273	1.0826800	6.078
## 274	1.0830959	3.875
## 275	1.0838300	7.119
## 276	1.0839300	6.411
## 277	1.0867200	6.725
## 278	1.0870800	5.399
## 279	1.0876400	7.291
## 280	1.0898300	4.907
## 281	1.0956200	5.098
## 282	1.0961000	7.404
## 283	1.0977400	6.994
## 284	1.0984708	4.574
## 285	1.0987900	6.488
## 286	1.1039500	5.253
## 287	1.1044120	3.795
## 288	1.1046400	4.332
## 289	1.1047600	7.313
## 290	1.1061400	4.218
## 291	1.1111100	5.538
## 292	1.1186200	5.754
## 293	1.1224100	5.855
## 294	1.1232359	4.545
## 295	1.1244700	6.670
## 296	1.1257500	6.901
## 297	1.1269000	7.498
## 298	1.1282744	5.838
## 299	1.1294500	6.361
## 300	1.1296242	5.225
## 301	1.1298277	4.081
## 302	1.1313633	5.621
## 303	1.1329900	3.931
## 304	1.1346400	7.413
## 305	1.1378535	5.279
## 306	1.1393500	5.102
## 307	1.1418400	5.828
## 308	1.1439450	5.181
## 309	1.1452400	7.509
## 310	1.1462175	5.872
## 311	1.1500913	5.825
## 312	1.1510200	5.709
## 313	1.1511500	5.286
## 314	1.1524003	5.234
## 315	1.1556202	4.465
## 316	1.1556472	4.775
## 317	1.1608374	5.273
## 318	1.1615700	6.907
## 319	1.1637400	7.526
## 320	1.1659400	6.295
## 321	1.1681000	5.987
## 322	1.1720200	4.885
## 323	1.1727800	7.334
## 324	1.1792833	4.962

## 325	1.1796919	4.535
## 326	1.1821251	6.003
## 327	1.1832600	7.501
## 328	1.1835400	6.168
## 329	1.1846800	4.642
## 330	1.1863034	5.810
## 331	1.1900952	3.808
## 332	1.1977700	5.948
## 333	1.1985000	6.786
## 334	1.2021500	4.800
## 335	1.2027800	4.681
## 336	1.2064300	6.505
## 337	1.2078930	5.175
## 338	1.2089000	6.485
## 339	1.2095610	5.629
## 340	1.2108622	6.578
## 341	1.2140086	4.139
## 342	1.2157705	5.074
## 343	1.2162400	5.960
## 344	1.2187704	5.715
## 345	1.2196300	6.946
## 346	1.2215550	3.766
## 347	1.2239300	7.278
## 348	1.2266800	5.548
## 349	1.2276191	5.823
## 350	1.2279100	5.429
## 351	1.2290235	4.280
## 352	1.2328700	6.983
## 353	1.2328900	5.813
## 354	1.2361700	5.716
## 355	1.2378800	7.226
## 356	1.2383765	5.237
## 357	1.2390889	5.336
## 358	1.2394146	5.227
## 359	1.2401800	6.477
## 360	1.2471100	7.119
## 361	1.2482300	6.574
## 362	1.2518256	5.838
## 363	1.2539176	5.430
## 364	1.2555852	6.454
## 365	1.2559600	6.810
## 366	1.2571200	5.987
## 367	1.2574500	5.833
## 368	1.2581898	5.395
## 369	1.2596987	6.105
## 370	1.2599764	4.440
## 371	1.2603800	6.575
## 372	1.2627909	5.472
## 373	1.2650400	6.455
## 374	1.2664102	6.648
## 375	1.2699900	5.995
## 376	1.2714633	5.041
## 377	1.2720308	4.292
## 378	1.2738500	5.848

## 379	1.2742969	6.375
## 380	1.2744447	5.262
## 381	1.2774913	5.074
## 382	1.2794800	5.791
## 383	1.2801700	7.378
## 384	1.2814734	4.190
## 385	1.2840250	6.652
## 386	1.2846460	6.084
## 387	1.2854800	6.867
## 388	1.2856600	6.937
## 389	1.2861688	6.008
## 390	1.2866776	6.344
## 391	1.2872157	6.071
## 392	1.2890700	7.364
## 393	1.2970400	7.200
## 394	1.2993700	6.750
## 395	1.3006000	4.874
## 396	1.3020300	6.302
## 397	1.3047700	5.878
## 398	1.3092300	7.284
## 399	1.3137900	6.329
## 400	1.3182600	7.406
## 401	1.3196700	7.286
## 402	1.3226100	7.427
## 403	1.3231105	6.087
## 404	1.3309500	7.522
## 405	1.3377532	5.500
## 406	1.3401265	5.011
## 407	1.3404300	6.003
## 408	1.3431331	5.324
## 409	1.3495100	7.587
## 410	1.3538144	6.572
## 411	1.3575643	5.525
## 412	1.3605800	7.527
## 413	1.3670430	5.195
## 414	1.3682181	5.311
## 415	1.3694800	6.940
## 416	1.3731925	6.452
## 417	1.3762900	7.213
## 418	1.3802285	6.168
## 419	1.3843690	5.819
## 420	1.3845654	6.422
## 421	1.3847886	4.829
## 422	1.3877769	6.442
## 423	1.3942386	5.004
## 424	1.3945376	4.096
## 425	1.4021829	6.357
## 426	1.4022300	7.561
## 427	1.4024167	5.230
## 428	1.4047149	5.850
## 429	1.4122279	6.454
## 430	1.4164037	7.079
## 431	1.4199206	6.993
## 432	1.4257925	6.424

```
## 433      1.4289392      7.377
## 434      1.4313060      6.635
## 435      1.4313376      5.250
## 436      1.4338852      6.609
## 437      1.4343795      4.714
## 438      1.4363378      5.920
## 439      1.4404511      6.599
## 440      1.4449233      5.964
## 441      1.4449452      5.569
## 442      1.4457120      5.973
## 443      1.4525188      5.758
## 444      1.4575837      6.863
## 445      1.4599450      7.006
## 446      1.4623127      6.891
## 447      1.4692824      5.963
## 448      1.4725204      6.951
## 449      1.4735161      5.902
## 450      1.4766711      5.611
## 451      1.4781622      7.284
## 452      1.4813490      7.316
## 453      1.4884117      6.527
## 454      1.4930112      4.955
## 455      1.4931492      5.822
## 456      1.4964601      6.714
## 457      1.5050592      6.098
## 458      1.5072849      5.493
## 459      1.5100420      7.284
## 460      1.5169117      7.494
## 461      1.5320909      6.403
## 462      1.5335236      7.537
## 463      1.5402467      7.469
## 464      1.5481951      7.314
## 465      1.5489691      5.971
## 466      1.5511216      7.522
## 467      1.5582311      6.977
## 468      1.6105740      7.504
```

```
aggregate(Total$`Happiness_Score` ~ Total$Family, FUN = min)
```

```
##      Total$Family Total$Happiness_Score
## 1      0.0000000      2.693
## 2      0.1041900      3.484
## 3      0.1103700      3.360
## 4      0.1399500      2.839
## 5      0.1470000      4.156
## 6      0.1486600      3.069
## 7      0.1851900      3.832
## 8      0.1924900      4.252
## 9      0.2344200      2.905
## 10     0.2474900      4.643
## 11     0.2613500      5.132
## 12     0.2924700      4.404
## 13     0.2956100      4.028
## 14     0.3028500      3.575
```

## 15	0.3109000	3.607
## 16	0.3361300	5.440
## 17	0.3538600	3.340
## 18	0.3793200	4.508
## 19	0.3817400	4.565
## 20	0.3856200	4.297
## 21	0.3859500	5.151
## 22	0.3885700	4.813
## 23	0.3961026	3.462
## 24	0.4113400	4.292
## 25	0.4141100	5.194
## 26	0.4158700	2.905
## 27	0.4310600	4.694
## 28	0.4316500	5.045
## 29	0.4318825	3.495
## 30	0.4352998	3.657
## 31	0.4611500	3.695
## 32	0.4647500	3.656
## 33	0.4748900	3.006
## 34	0.4749300	3.724
## 35	0.4779900	4.236
## 36	0.4935300	4.276
## 37	0.4981300	4.362
## 38	0.5016300	4.655
## 39	0.5035300	3.622
## 40	0.5125688	3.970
## 41	0.5375000	3.907
## 42	0.5444700	4.686
## 43	0.5497000	4.876
## 44	0.5706149	4.286
## 45	0.5757600	3.916
## 46	0.5815433	3.794
## 47	0.5920500	4.575
## 48	0.5920700	4.369
## 49	0.6013231	3.591
## 50	0.6032300	3.956
## 51	0.6040600	4.512
## 52	0.6042900	4.739
## 53	0.6053000	3.856
## 54	0.6080900	5.488
## 55	0.6158600	3.515
## 56	0.6247700	4.360
## 57	0.6254200	4.513
## 58	0.6273600	3.819
## 59	0.6280000	4.635
## 60	0.6297936	2.905
## 61	0.6305400	3.739
## 62	0.6317800	3.763
## 63	0.6376000	4.795
## 64	0.6404498	3.603
## 65	0.6409500	5.013
## 66	0.6418400	5.129
## 67	0.6436700	5.163
## 68	0.6449800	4.875

## 69	0.6606200	5.401
## 70	0.6629000	3.989
## 71	0.6636600	3.866
## 72	0.6680100	3.681
## 73	0.6726907	5.269
## 74	0.6795400	4.633
## 75	0.6809300	4.077
## 76	0.6865500	5.956
## 77	0.6969900	4.793
## 78	0.6998100	4.395
## 79	0.7036200	4.574
## 80	0.7069700	5.546
## 81	0.7090500	4.307
## 82	0.7115512	4.692
## 83	0.7146000	6.778
## 84	0.7147800	4.193
## 85	0.7162900	4.754
## 86	0.7211514	5.151
## 87	0.7219400	5.835
## 88	0.7236800	4.121
## 89	0.7280300	5.528
## 90	0.7351317	4.608
## 91	0.7380300	4.876
## 92	0.7417300	5.161
## 93	0.7430200	4.518
## 94	0.7470000	4.194
## 95	0.7543726	4.315
## 96	0.7547300	5.033
## 97	0.7559600	4.871
## 98	0.7560200	4.996
## 99	0.7569500	5.648
## 100	0.7586200	5.057
## 101	0.7604200	5.291
## 102	0.7606200	3.667
## 103	0.7624000	4.356
## 104	0.7711500	3.655
## 105	0.7726500	3.845
## 106	0.7737000	3.465
## 107	0.7741600	4.219
## 108	0.7748644	5.235
## 109	0.7762300	3.666
## 110	0.7771100	4.350
## 111	0.7786600	6.269
## 112	0.7823600	5.121
## 113	0.7896800	4.571
## 114	0.7911700	5.061
## 115	0.7912447	3.507
## 116	0.7927300	3.956
## 117	0.7938100	5.245
## 118	0.7962400	5.759
## 119	0.8000100	4.839
## 120	0.8036852	4.644
## 121	0.8043400	4.959
## 122	0.8067600	4.272

## 123	0.8097500	6.068
## 124	0.8119800	5.589
## 125	0.8125500	5.743
## 126	0.8132900	5.177
## 127	0.8182600	5.771
## 128	0.8188900	4.677
## 129	0.8192800	4.139
## 130	0.8313200	5.897
## 131	0.8320444	4.291
## 132	0.8330900	6.355
## 133	0.8377900	5.822
## 134	0.8414200	4.201
## 135	0.8478300	4.415
## 136	0.8482900	6.379
## 137	0.8518800	3.587
## 138	0.8556300	4.786
## 139	0.8597400	5.976
## 140	0.8604000	4.033
## 141	0.8621600	5.303
## 142	0.8633300	4.073
## 143	0.8644900	4.514
## 144	0.8646692	4.460
## 145	0.8675800	6.739
## 146	0.8683515	4.805
## 147	0.8690800	4.436
## 148	0.8702100	5.458
## 149	0.8707010	4.550
## 150	0.8711400	6.573
## 151	0.8711900	6.324
## 152	0.8721179	3.533
## 153	0.8736647	4.120
## 154	0.8762500	5.314
## 155	0.8771700	5.389
## 156	0.8775800	6.239
## 157	0.8787700	5.279
## 158	0.8796400	6.375
## 159	0.8802500	6.005
## 160	0.8858800	5.124
## 161	0.8876700	4.252
## 162	0.8918600	3.974
## 163	0.8931800	5.689
## 164	0.8952100	5.992
## 165	0.9043200	5.268
## 166	0.9047800	4.180
## 167	0.9052800	3.896
## 168	0.9055700	5.192
## 169	0.9058700	6.705
## 170	0.9083600	5.196
## 171	0.9098100	3.739
## 172	0.9122600	5.360
## 173	0.9130204	3.644
## 174	0.9145100	7.187
## 175	0.9161200	5.129
## 176	0.9191600	4.949

## 177	0.9254200	4.217
## 178	0.9255800	4.715
## 179	0.9262400	6.379
## 180	0.9293300	4.857
## 181	0.9316400	5.145
## 182	0.9353822	3.593
## 183	0.9379300	5.212
## 184	0.9436700	5.123
## 185	0.9439700	6.218
## 186	0.9457070	3.471
## 187	0.9460182	4.695
## 188	0.9463200	5.332
## 189	0.9467500	5.140
## 190	0.9502500	5.560
## 191	0.9507600	5.615
## 192	0.9515200	5.057
## 193	0.9534800	4.788
## 194	0.9538559	3.936
## 195	0.9543400	5.185
## 196	0.9554400	5.919
## 197	0.9557100	4.507
## 198	0.9577400	5.984
## 199	0.9605300	4.459
## 200	0.9637200	5.510
## 201	0.9679830	5.293
## 202	0.9720000	6.269
## 203	0.9745900	5.824
## 204	0.9761900	3.904
## 205	0.9784100	5.890
## 206	0.9786132	4.497
## 207	0.9841360	4.709
## 208	0.9852100	5.477
## 209	0.9856900	6.168
## 210	0.9891200	6.701
## 211	0.9930250	4.028
## 212	0.9949600	5.155
## 213	0.9953700	7.267
## 214	0.9974714	4.735
## 215	0.9987600	4.419
## 216	0.9990300	5.975
## 217	1.0012000	4.517
## 218	1.0023200	5.007
## 219	1.0026800	3.781
## 220	1.0031873	4.514
## 221	1.0050800	6.478
## 222	1.0062383	4.168
## 223	1.0074837	4.376
## 224	1.0079300	6.596
## 225	1.0096400	5.123
## 226	1.0140400	4.550
## 227	1.0141300	4.324
## 228	1.0152800	5.889
## 229	1.0190500	4.271
## 230	1.0200000	6.798

## 231	1.0215200	7.087
## 232	1.0216900	6.481
## 233	1.0250700	6.130
## 234	1.0262600	4.971
## 235	1.0291200	7.339
## 236	1.0314300	6.545
## 237	1.0327600	4.610
## 238	1.0330200	6.084
## 239	1.0351600	5.073
## 240	1.0352600	3.995
## 241	1.0381700	5.658
## 242	1.0393800	6.952
## 243	1.0399900	6.871
## 244	1.0410300	4.898
## 245	1.0416700	5.977
## 246	1.0419898	3.349
## 247	1.0432800	4.032
## 248	1.0435600	6.123
## 249	1.0447700	6.474
## 250	1.0468500	5.835
## 251	1.0478200	7.104
## 252	1.0499300	5.802
## 253	1.0516300	5.517
## 254	1.0524900	6.929
## 255	1.0526100	5.856
## 256	1.0539200	5.192
## 257	1.0561300	5.768
## 258	1.0581800	5.474
## 259	1.0605400	5.921
## 260	1.0641100	5.813
## 261	1.0661200	6.650
## 262	1.0679507	4.553
## 263	1.0693359	5.182
## 264	1.0700800	5.695
## 265	1.0702300	5.770
## 266	1.0728400	4.867
## 267	1.0761700	6.298
## 268	1.0777200	5.605
## 269	1.0786000	6.611
## 270	1.0811300	7.039
## 271	1.0814178	5.956
## 272	1.0818200	6.853
## 273	1.0826800	6.078
## 274	1.0830959	3.875
## 275	1.0838300	7.119
## 276	1.0839300	6.411
## 277	1.0867200	6.725
## 278	1.0870800	5.399
## 279	1.0876400	7.291
## 280	1.0898300	4.907
## 281	1.0956200	5.098
## 282	1.0961000	7.404
## 283	1.0977400	6.994
## 284	1.0984708	4.574

## 285	1.0987900	6.488
## 286	1.1039500	5.253
## 287	1.1044120	3.795
## 288	1.1046400	4.332
## 289	1.1047600	7.313
## 290	1.1061400	4.218
## 291	1.1111100	5.538
## 292	1.1186200	5.754
## 293	1.1224100	5.855
## 294	1.1232359	4.545
## 295	1.1244700	6.670
## 296	1.1257500	6.901
## 297	1.1269000	7.498
## 298	1.1282744	5.838
## 299	1.1294500	6.361
## 300	1.1296242	5.225
## 301	1.1298277	4.081
## 302	1.1313633	5.621
## 303	1.1329900	3.931
## 304	1.1346400	7.413
## 305	1.1378535	5.279
## 306	1.1393500	5.102
## 307	1.1418400	5.828
## 308	1.1439450	5.181
## 309	1.1452400	7.509
## 310	1.1462175	5.872
## 311	1.1500913	5.825
## 312	1.1510200	5.709
## 313	1.1511500	5.286
## 314	1.1524003	5.234
## 315	1.1556202	4.465
## 316	1.1556472	4.775
## 317	1.1608374	5.273
## 318	1.1615700	6.907
## 319	1.1637400	7.526
## 320	1.1659400	6.295
## 321	1.1681000	5.987
## 322	1.1720200	4.885
## 323	1.1727800	7.334
## 324	1.1792833	4.962
## 325	1.1796919	4.535
## 326	1.1821251	6.003
## 327	1.1832600	7.501
## 328	1.1835400	6.168
## 329	1.1846800	4.642
## 330	1.1863034	5.810
## 331	1.1900952	3.808
## 332	1.1977700	5.948
## 333	1.1985000	6.786
## 334	1.2021500	4.800
## 335	1.2027800	4.681
## 336	1.2064300	6.505
## 337	1.2078930	5.175
## 338	1.2089000	6.485

## 339	1.2095610	5.629
## 340	1.2108622	6.578
## 341	1.2140086	4.139
## 342	1.2157705	5.074
## 343	1.2162400	5.960
## 344	1.2187704	5.715
## 345	1.2196300	6.946
## 346	1.2215550	3.766
## 347	1.2239300	7.278
## 348	1.2266800	5.548
## 349	1.2276191	5.823
## 350	1.2279100	5.429
## 351	1.2290235	4.280
## 352	1.2328700	6.983
## 353	1.2328900	5.813
## 354	1.2361700	5.716
## 355	1.2378800	7.226
## 356	1.2383765	5.237
## 357	1.2390889	5.336
## 358	1.2394146	5.227
## 359	1.2401800	6.477
## 360	1.2471100	7.119
## 361	1.2482300	6.574
## 362	1.2518256	5.838
## 363	1.2539176	5.430
## 364	1.2555852	6.454
## 365	1.2559600	6.810
## 366	1.2571200	5.987
## 367	1.2574500	5.833
## 368	1.2581898	5.395
## 369	1.2596987	6.105
## 370	1.2599764	4.440
## 371	1.2603800	6.575
## 372	1.2627909	5.472
## 373	1.2650400	6.455
## 374	1.2664102	6.648
## 375	1.2699900	5.995
## 376	1.2714633	5.041
## 377	1.2720308	4.292
## 378	1.2738500	5.848
## 379	1.2742969	6.375
## 380	1.2744447	5.262
## 381	1.2774913	5.074
## 382	1.2794800	5.791
## 383	1.2801700	7.378
## 384	1.2814734	4.190
## 385	1.2840250	6.652
## 386	1.2846460	6.084
## 387	1.2854800	6.867
## 388	1.2856600	6.937
## 389	1.2861688	6.008
## 390	1.2866776	6.344
## 391	1.2872157	6.071
## 392	1.2890700	7.364

## 393	1.2970400	7.200
## 394	1.2993700	6.750
## 395	1.3006000	4.874
## 396	1.3020300	6.302
## 397	1.3047700	5.878
## 398	1.3092300	7.284
## 399	1.3137900	6.329
## 400	1.3182600	7.406
## 401	1.3196700	7.286
## 402	1.3226100	7.427
## 403	1.3231105	6.087
## 404	1.3309500	7.522
## 405	1.3377532	5.500
## 406	1.3401265	5.011
## 407	1.3404300	6.003
## 408	1.3431331	5.324
## 409	1.3495100	7.587
## 410	1.3538144	6.572
## 411	1.3575643	5.525
## 412	1.3605800	7.527
## 413	1.3670430	5.195
## 414	1.3682181	5.311
## 415	1.3694800	6.940
## 416	1.3731925	6.452
## 417	1.3762900	7.213
## 418	1.3802285	6.168
## 419	1.3843690	5.819
## 420	1.3845654	6.422
## 421	1.3847886	4.829
## 422	1.3877769	6.442
## 423	1.3942386	5.004
## 424	1.3945376	4.096
## 425	1.4021829	6.357
## 426	1.4022300	7.561
## 427	1.4024167	5.230
## 428	1.4047149	5.850
## 429	1.4122279	6.454
## 430	1.4164037	7.079
## 431	1.4199206	6.993
## 432	1.4257925	6.424
## 433	1.4289392	7.377
## 434	1.4313060	6.635
## 435	1.4313376	5.250
## 436	1.4338852	6.609
## 437	1.4343795	4.714
## 438	1.4363378	5.920
## 439	1.4404511	6.599
## 440	1.4449233	5.964
## 441	1.4449452	5.569
## 442	1.4457120	5.973
## 443	1.4525188	5.758
## 444	1.4575837	6.863
## 445	1.4599450	7.006
## 446	1.4623127	6.891

```
## 447      1.4692824      5.963
## 448      1.4725204      6.951
## 449      1.4735161      5.902
## 450      1.4766711      5.611
## 451      1.4781622      7.284
## 452      1.4813490      7.316
## 453      1.4884117      6.527
## 454      1.4930112      4.955
## 455      1.4931492      5.822
## 456      1.4964601      6.714
## 457      1.5050592      6.098
## 458      1.5072849      5.493
## 459      1.5100420      7.284
## 460      1.5169117      7.494
## 461      1.5320909      6.403
## 462      1.5335236      7.537
## 463      1.5402467      7.469
## 464      1.5481951      7.314
## 465      1.5489691      5.971
## 466      1.5511216      7.522
## 467      1.5582311      6.977
## 468      1.6105740      7.504
```

Let's aggregate the data

```
aggregate(Total$`Happiness_Score` ~ Total$Family + Total$`Economy`, FUN = mean)
```

```
##      Total$Family Total$Economy Total$Happiness_Score
## 1      0.0000000      0.0000000      2.693
## 2      0.3361300      0.0000000      5.440
## 3      1.0012000      0.0000000      4.517
## 4      0.4158700      0.0153000      2.905
## 5      0.4113400      0.0160400      4.292
## 6      0.7211514      0.02264318      5.151
## 7      0.8067600      0.05661000      4.272
## 8      0.2344200      0.06831000      2.905
## 9      0.7726500      0.06940000      3.845
## 10     0.7896800      0.07120000      4.571
## 11     0.0000000      0.07850000      3.678
## 12     1.0262600      0.08308000      4.971
## 13     0.1470000      0.08709000      4.156
## 14     0.6297936      0.09162257      2.905
## 15     1.2290235      0.09210235      4.280
## 16     0.5035300      0.10706000      3.622
## 17     0.8721179      0.11904179      3.533
## 18     0.6053000      0.13270000      3.856
## 19     0.9930250      0.16192533      4.028
## 20     0.4647500      0.17417000      3.656
## 21     0.9515200      0.18847000      5.057
## 22     0.6040600      0.19073000      4.512
## 23     0.6680100      0.20824000      3.681
```

## 24	0.1399500	0.20868000	2.839
## 25	1.1329900	0.21102000	3.931
## 26	0.7737000	0.22208000	3.465
## 27	0.3109000	0.22415000	3.607
## 28	0.5125688	0.23344204	3.970
## 29	0.8707010	0.23430565	4.550
## 30	0.7927300	0.23906000	3.956
## 31	0.7912447	0.24454993	3.507
## 32	0.7586200	0.25558000	5.057
## 33	0.8518800	0.25812000	3.587
## 34	1.0352600	0.26074000	3.995
## 35	0.7430200	0.26673000	4.518
## 36	1.0327600	0.27100000	4.610
## 37	0.7090500	0.27108000	4.307
## 38	0.6032300	0.27509000	3.956
## 39	0.4611500	0.27954000	3.695
## 40	0.0000000	0.28123000	3.303
## 41	1.0026800	0.28520000	3.781
## 42	0.3538600	0.28665000	3.340
## 43	0.3793200	0.29283000	4.508
## 44	0.4318825	0.30544472	3.495
## 45	0.9130204	0.30580869	3.644
## 46	0.8633300	0.31292000	4.073
## 47	0.3028500	0.31982000	3.575
## 48	0.6305400	0.31995000	3.739
## 49	0.6158600	0.32846000	3.515
## 50	0.9557100	0.33024000	4.507
## 51	0.8646692	0.33923385	4.460
## 52	0.2956100	0.34097000	4.028
## 53	0.6998100	0.34112000	4.395
## 54	0.7606200	0.34193000	3.667
## 55	0.9098100	0.34719000	3.739
## 56	1.0432800	0.35022771	4.032
## 57	0.7147800	0.35041000	4.193
## 58	0.8644900	0.35997000	4.514
## 59	0.9987600	0.36471000	4.419
## 60	0.6280000	0.36485000	4.635
## 61	0.9761900	0.36498000	3.904
## 62	1.1232359	0.36711055	4.545
## 63	0.9841360	0.36842093	4.709
## 64	0.6404498	0.36861026	3.603
## 65	0.9457070	0.36874589	3.471
## 66	1.0410300	0.37545000	4.898
## 67	1.0830959	0.37584653	3.875
## 68	1.1298277	0.38143072	4.081
## 69	0.1103700	0.38227000	3.360
## 70	0.8556300	0.39047000	4.786
## 71	0.1851900	0.39394000	3.832
## 72	0.1041900	0.39499000	3.484
## 73	0.6013231	0.39724863	3.591
## 74	0.4310600	0.39753000	4.694
## 75	0.5815433	0.40147722	3.794
## 76	0.6317800	0.42214000	3.763
## 77	0.8876700	0.42250000	4.252

## 78	0.4352998	0.43108541	3.657
## 79	0.9538559	0.43801299	3.936
## 80	0.5920700	0.44025000	4.369
## 81	0.7741600	0.44314000	4.219
## 82	0.6969900	0.44626000	4.793
## 83	0.8690800	0.45407000	4.436
## 84	0.6273600	0.46038000	3.819
## 85	0.7711500	0.46534000	3.655
## 86	0.9161200	0.47038000	5.129
## 87	0.7762300	0.47155000	3.666
## 88	1.1511500	0.47428000	5.286
## 89	1.2814734	0.47618049	4.190
## 90	1.1796919	0.47930902	4.535
## 91	1.1792833	0.47982019	4.962
## 92	0.7560200	0.48835000	4.996
## 93	1.0419898	0.51113588	3.349
## 94	1.1900952	0.52102125	3.808
## 95	1.0140400	0.52107000	4.550
## 96	0.7624000	0.52267000	4.356
## 97	1.2714633	0.52471364	5.041
## 98	0.6254200	0.52497000	4.513
## 99	0.2474900	0.54177000	4.643
## 100	0.6795400	0.54558000	4.633
## 101	0.6809300	0.54649000	4.077
## 102	0.5757600	0.55507000	3.916
## 103	0.5375000	0.55604000	3.907
## 104	0.9543400	0.56044000	5.185
## 105	1.0679507	0.56047946	4.553
## 106	0.9460182	0.56430537	4.695
## 107	0.4749300	0.57939000	3.724
## 108	0.7351317	0.58668298	4.608
## 109	0.7380300	0.59066000	4.876
## 110	0.9353822	0.59168345	3.593
## 111	1.1418400	0.59325000	5.828
## 112	1.0152800	0.59448000	5.889
## 113	0.9534800	0.59532000	4.788
## 114	0.4141100	0.59543000	5.194
## 115	1.3942386	0.59622008	5.004
## 116	0.9255800	0.59867000	4.715
## 117	1.0062383	0.60176510	4.168
## 118	0.9047800	0.60304892	4.180
## 119	0.6376000	0.61202000	4.795
## 120	0.8414200	0.61391000	4.201
## 121	0.8192800	0.63069000	4.139
## 122	0.4935300	0.63107000	4.276
## 123	0.9122600	0.63216000	5.360
## 124	1.3404300	0.63244000	6.003
## 125	1.0031873	0.63640678	4.514
## 126	0.3817400	0.64499000	4.565
## 127	1.2720308	0.64845729	4.292
## 128	0.9043200	0.65435000	5.268
## 129	1.2140086	0.65951669	4.139
## 130	0.4748900	0.66320000	3.006
## 131	0.8736647	0.66722482	4.120

## 132	0.7162900	0.67024000	4.754
## 133	0.6629000	0.67866000	3.989
## 134	0.5497000	0.68042000	4.876
## 135	0.9784100	0.68133000	5.890
## 136	0.2613500	0.68816000	5.132
## 137	0.8313200	0.69177000	5.897
## 138	0.8952100	0.69384000	5.992
## 139	0.7559600	0.69429000	4.871
## 140	1.0351600	0.70532000	5.073
## 141	1.0728400	0.71206000	4.867
## 142	1.1556472	0.71624923	4.775
## 143	0.6726907	0.72688353	5.269
## 144	1.2518256	0.72887063	5.838
## 145	1.1439450	0.73057312	5.181
## 146	0.6409500	0.73479000	5.013
## 147	1.1681000	0.73591000	5.987
## 148	1.2872157	0.73729920	6.071
## 149	0.2924700	0.74036000	4.404
## 150	0.7911700	0.74037000	5.061
## 151	0.3856200	0.74190000	4.297
## 152	1.0435600	0.74553000	6.123
## 153	0.1486600	0.74719000	3.069
## 154	0.6449800	0.75216000	4.875
## 155	0.8604000	0.75778000	4.033
## 156	1.3047700	0.75985000	5.878
## 157	1.0250700	0.76454000	6.130
## 158	0.7771100	0.76821000	4.350
## 159	1.1039500	0.77042000	5.253
## 160	0.4779900	0.77109000	4.236
## 161	0.3961026	0.77715313	3.462
## 162	1.2157705	0.78375626	5.074
## 163	1.5489691	0.78644109	5.971
## 164	1.2774913	0.78854758	5.074
## 165	0.7543726	0.79222125	4.315
## 166	0.8377900	0.79422000	5.822
## 167	1.2027800	0.79907000	4.681
## 168	0.8119800	0.80148000	5.589
## 169	0.8320444	0.80896425	4.291
## 170	1.1510200	0.81038000	5.709
## 171	0.8787700	0.81217000	5.279
## 172	1.3006000	0.82819000	4.874
## 173	1.0870800	0.82827000	5.399
## 174	0.9191600	0.83223000	4.949
## 175	1.2276191	0.83375657	5.823
## 176	0.8711900	0.83454000	6.324
## 177	1.0190500	0.83524000	4.271
## 178	0.1924900	0.83792000	4.252
## 179	0.3859500	0.84058000	5.151
## 180	0.6636600	0.84731000	3.866
## 181	0.9083600	0.85270000	5.196
## 182	1.2539176	0.85769922	5.430
## 183	1.1044120	0.85842818	3.795
## 184	0.6247700	0.86086000	4.360
## 185	0.9990300	0.86402000	5.975

## 186	1.2555852	0.87200195	6.454
## 187	1.0141300	0.87287000	4.324
## 188	0.8097500	0.87370000	6.068
## 189	0.6865500	0.87616000	5.956
## 190	0.7748644	0.87811458	5.235
## 191	0.8043400	0.87867000	4.959
## 192	0.6042900	0.88113000	4.739
## 193	0.7470000	0.88180000	4.194
## 194	1.3401265	0.88541639	5.011
## 195	0.9467500	0.89012000	5.140
## 196	0.9637200	0.89333000	5.510
## 197	1.1111100	0.89373000	5.538
## 198	1.3945376	0.89465195	4.096
## 199	1.1720200	0.89537000	4.885
## 200	0.9745900	0.90019000	5.824
## 201	1.0074837	0.90059674	4.376
## 202	0.6606200	0.90145000	5.401
## 203	1.0539200	0.90198000	5.192
## 204	1.0814178	0.90797532	5.956
## 205	1.1821251	0.90978450	6.003
## 206	1.0023200	0.91851000	5.007
## 207	1.2401800	0.91861000	6.477
## 208	1.1846800	0.92049000	4.642
## 209	1.0096400	0.92053000	5.123
## 210	1.3682181	0.92557931	5.311
## 211	1.5072849	0.93253732	5.493
## 212	0.7036200	0.93287000	4.574
## 213	0.6436700	0.93383000	5.163
## 214	1.0777200	0.93929000	5.605
## 215	0.5706149	0.95061266	4.286
## 216	0.8762500	0.95104000	5.314
## 217	1.1378535	0.95148438	5.279
## 218	0.4981300	0.95395000	4.362
## 219	0.5016300	0.95530000	4.655
## 220	1.2378800	0.95578000	7.226
## 221	1.2266800	0.95847000	5.548
## 222	1.0984708	0.96443433	4.574
## 223	1.2650400	0.96690000	6.455
## 224	0.8597400	0.97306000	5.976
## 225	0.8478300	0.97318000	4.415
## 226	0.9055700	0.97438000	5.192
## 227	0.4316500	0.97724000	5.045
## 228	1.2328700	0.98124000	6.983
## 229	1.0693359	0.98240942	5.182
## 230	0.8188900	0.98549000	4.677
## 231	1.0898300	0.98853000	4.907
## 232	0.9974714	0.98970181	4.735
## 233	1.2390889	0.99101239	5.336
## 234	1.1046400	0.99355000	4.332
## 235	0.9720000	0.99534000	6.269
## 236	1.2744447	0.99553859	5.262
## 237	0.8125500	0.99602000	5.743
## 238	0.8036852	0.99619275	4.644
## 239	0.8621600	0.99673000	5.303

## 240	1.2861688	1.00082040	6.008
## 241	0.8683515	1.00726581	4.805
## 242	0.9852100	1.00761000	5.477
## 243	0.5444700	1.00880000	4.686
## 244	1.2599764	1.00985014	4.440
## 245	1.1061400	1.01216000	4.218
## 246	0.7823600	1.01930000	5.121
## 247	0.9145100	1.02054000	7.187
## 248	0.9379300	1.02389000	5.212
## 249	0.9605300	1.02416000	4.459
## 250	0.8000100	1.02564000	4.839
## 251	1.4930112	1.02723587	4.955
## 252	0.7938100	1.02780000	5.245
## 253	0.9949600	1.02787000	5.155
## 254	1.0216900	1.03032000	6.481
## 255	1.2328900	1.03192000	5.813
## 256	0.8132900	1.03437000	5.177
## 257	1.2187704	1.03522527	5.715
## 258	0.8858800	1.04345000	5.124
## 259	1.2559600	1.04424000	6.810
## 260	0.8330900	1.05266000	6.355
## 261	1.2482300	1.05351000	6.574
## 262	1.3847886	1.05469871	4.829
## 263	0.9052800	1.06024000	3.896
## 264	0.9463200	1.06098000	5.332
## 265	1.2089000	1.06166000	6.485
## 266	1.1985000	1.06353000	6.786
## 267	1.2078930	1.06457794	5.175
## 268	0.9507600	1.06688000	5.615
## 269	1.0215200	1.06879000	7.087
## 270	1.2581898	1.06931758	5.395
## 271	1.4021829	1.07062232	6.357
## 272	0.5920500	1.07474000	4.575
## 273	1.1296242	1.07498753	5.225
## 274	0.7417300	1.07838000	5.161
## 275	1.4024167	1.07937384	5.230
## 276	1.0381700	1.08017000	5.658
## 277	1.1608374	1.08116579	5.273
## 278	0.7962400	1.08254000	5.759
## 279	1.0393800	1.08754000	6.952
## 280	1.0447700	1.08930000	6.474
## 281	1.1462175	1.09186447	5.872
## 282	0.8918600	1.09426000	3.974
## 283	0.7786600	1.09686000	6.269
## 284	1.3575643	1.10180306	5.525
## 285	0.9786132	1.10271049	4.497
## 286	1.1244700	1.10715000	6.670
## 287	1.4313060	1.10735321	6.635
## 288	1.4164037	1.10970628	7.079
## 289	0.9254200	1.11306000	4.217
## 290	1.0956200	1.11312000	5.098
## 291	0.7146000	1.11508000	6.778
## 292	0.3885700	1.11758000	4.813
## 293	1.2021500	1.12094000	4.800

## 294	1.2383765	1.12112904	5.237
## 295	1.2215550	1.12209415	3.766
## 296	1.1224100	1.12254000	5.855
## 297	0.6418400	1.12268000	5.129
## 298	0.7604200	1.12373000	5.291
## 299	1.0702300	1.12486000	5.770
## 300	1.2794800	1.12555000	5.791
## 301	1.4257925	1.12786877	6.424
## 302	1.4313376	1.12843120	5.250
## 303	1.0499300	1.13062000	5.802
## 304	1.4931492	1.13077676	5.822
## 305	1.1186200	1.13145000	5.754
## 306	1.0330200	1.13367000	6.084
## 307	1.2361700	1.13764000	5.716
## 308	0.7569500	1.14372000	5.648
## 309	1.2574500	1.14723000	5.833
## 310	1.0661200	1.15137000	6.650
## 311	1.2279100	1.15174000	5.429
## 312	1.2108622	1.15318382	6.578
## 313	1.1524003	1.15360177	5.234
## 314	0.9293300	1.15406000	4.857
## 315	1.4449452	1.15655756	5.569
## 316	0.7115512	1.15687311	4.692
## 317	0.7236800	1.15851000	4.121
## 318	1.1393500	1.15991000	5.102
## 319	1.4343795	1.16145909	4.714
## 320	0.8771700	1.16492000	5.389
## 321	1.2699900	1.16891000	5.995
## 322	0.7280300	1.16970000	5.528
## 323	1.2064300	1.17898000	6.505
## 324	1.0314300	1.18157000	6.545
## 325	0.9891200	1.18306000	6.701
## 326	1.2738500	1.18498000	5.848
## 327	1.4404511	1.18529546	6.599
## 328	0.6080900	1.18649000	5.488
## 329	1.2095610	1.18939555	5.629
## 330	1.1556202	1.19821024	4.465
## 331	1.3377532	1.19827437	5.500
## 332	1.3020300	1.20740000	6.302
## 333	1.0700800	1.20806000	5.695
## 334	0.8931800	1.20813000	5.689
## 335	1.1835400	1.21183000	6.168
## 336	0.9058700	1.21670000	6.705
## 337	1.4122279	1.21755970	6.454
## 338	1.1500913	1.21768391	5.825
## 339	0.9502500	1.21788000	5.560
## 340	0.9679830	1.22255623	5.293
## 341	1.2239300	1.22857000	7.278
## 342	0.9554400	1.22943000	5.919
## 343	1.3137900	1.23011000	6.329
## 344	1.0526100	1.23228000	5.856
## 345	1.3731925	1.23374844	6.452
## 346	0.9316400	1.24142000	5.145
## 347	0.9577400	1.24461000	5.984

## 348	1.0468500	1.24585000	5.835
## 349	0.7547300	1.24886000	5.033
## 350	1.3196700	1.25018000	7.286
## 351	1.1977700	1.25114000	5.948
## 352	0.8802500	1.25142000	6.005
## 353	1.2840250	1.25278461	6.652
## 354	1.4047149	1.26074862	5.850
## 355	1.2854800	1.26637000	6.867
## 356	1.0641100	1.26920000	5.813
## 357	1.2571200	1.27074000	5.987
## 358	0.9436700	1.27607000	5.123
## 359	1.2603800	1.27778000	6.575
## 360	1.0516300	1.27964000	5.517
## 361	1.0826800	1.27973000	6.078
## 362	1.4692824	1.28177810	5.963
## 363	1.3843690	1.28455627	5.819
## 364	1.3431331	1.28601193	5.324
## 365	1.2394146	1.28948748	5.227
## 366	1.3182600	1.29025000	7.406
## 367	1.0761700	1.29098000	6.298
## 368	1.2846460	1.29121542	6.084
## 369	1.4457120	1.29178786	5.973
## 370	1.0561300	1.29947000	5.768
## 371	1.4022300	1.30232000	7.561
## 372	1.0987900	1.30782000	6.488
## 373	1.2856600	1.30782000	6.937
## 374	1.0079300	1.30915000	6.596
## 375	0.8182600	1.31141000	5.771
## 376	1.4735161	1.31458235	5.902
## 377	1.3670430	1.31517529	5.195
## 378	0.7069700	1.31857000	5.546
## 379	1.4766711	1.32087934	5.611
## 380	1.2162400	1.32376000	5.960
## 381	1.5050592	1.32539356	6.098
## 382	1.3605800	1.32548000	7.527
## 383	0.9856900	1.32572000	6.168
## 384	1.3226100	1.32629000	7.427
## 385	1.2993700	1.32792000	6.750
## 386	1.2801700	1.32944000	7.378
## 387	1.2890700	1.33171000	7.364
## 388	1.3092300	1.33358000	7.284
## 389	1.3694800	1.33596000	6.940
## 390	1.2970400	1.33723000	7.200
## 391	0.9953700	1.33766000	7.267
## 392	1.4525188	1.34120595	5.758
## 393	1.1294500	1.34253000	6.361
## 394	1.4884117	1.34327984	6.527
## 395	1.1863034	1.34691131	5.810
## 396	1.4338852	1.35268235	6.609
## 397	1.0416700	1.35495000	5.977
## 398	1.1313633	1.35593808	5.621
## 399	1.0811300	1.35943000	7.039
## 400	0.7219400	1.35948000	5.835
## 401	1.0818200	1.36011000	6.853

## 402	1.1727800	1.36066000	7.334
## 403	1.3802285	1.36135590	6.168
## 404	1.3762900	1.37538242	7.213
## 405	1.0605400	1.38007000	5.921
## 406	1.5320909	1.38439786	6.403
## 407	1.0581800	1.38604000	5.474
## 408	1.2471100	1.39451000	7.119
## 409	1.0050800	1.39488000	6.478
## 410	1.4449233	1.39506662	5.964
## 411	1.0839300	1.39541000	6.411
## 412	1.3495100	1.39651000	7.587
## 413	0.9262400	1.39729000	6.379
## 414	1.1282744	1.40167844	5.838
## 415	1.0867200	1.40283000	6.725
## 416	1.5481951	1.40570605	7.314
## 417	1.1346400	1.40598000	7.413
## 418	1.4363378	1.41691518	5.920
## 419	1.0524900	1.42539000	6.929
## 420	1.1832600	1.42666000	7.501
## 421	1.1257500	1.42727000	6.901
## 422	1.3877769	1.43092346	6.442
## 423	1.3845654	1.43362653	6.422
## 424	1.0961000	1.44015000	7.404
## 425	0.9439700	1.44024000	6.218
## 426	1.4964601	1.44163394	6.714
## 427	1.1637400	1.44178000	7.526
## 428	1.5402467	1.44357193	7.469
## 429	1.1047600	1.44443000	7.313
## 430	1.0977400	1.44787000	6.994
## 431	1.0838300	1.45038000	7.119
## 432	1.0876400	1.45181000	7.291
## 433	1.3309500	1.45900000	7.522
## 434	1.4623127	1.46378076	6.891
## 435	1.0291200	1.46468000	7.339
## 436	1.4813490	1.47920442	7.316
## 437	1.6105740	1.48063302	7.504
## 438	1.5511216	1.48238301	7.522
## 439	1.1615700	1.48341000	6.907
## 440	1.5100420	1.48441494	7.284
## 441	1.4599450	1.48709726	7.006
## 442	1.4725204	1.48792338	6.951
## 443	1.3231105	1.48841226	6.087
## 444	0.8482900	1.48953000	6.379
## 445	1.4781622	1.49438727	7.284
## 446	1.4289392	1.50394464	7.377
## 447	1.0478200	1.50796000	7.104
## 448	0.8702100	1.51070000	5.458
## 449	1.0200000	1.52186000	6.798
## 450	1.1452400	1.52733000	7.509
## 451	1.2866776	1.53062356	6.344
## 452	1.5582311	1.53570664	6.977
## 453	1.4199206	1.54625928	6.993
## 454	1.2627909	1.55167484	5.472
## 455	1.1659400	1.55422000	6.295

## 456	1.2196300	1.56391000	6.946
## 457	1.5169117	1.56497955	7.494
## 458	0.8711400	1.57352000	6.573
## 459	1.1269000	1.57744000	7.498
## 460	1.5335236	1.61646318	7.537
## 461	0.8775800	1.61714000	6.239
## 462	1.2664102	1.62634337	6.648
## 463	1.2596987	1.63295245	6.105
## 464	0.8675800	1.64555000	6.739
## 465	1.0786000	1.69042000	6.611
## 466	1.3538144	1.69227767	6.572
## 467	1.0399900	1.69752000	6.871
## 468	1.4575837	1.74194360	6.863
## 469	0.8796400	1.82427000	6.375
## 470	1.2742969	1.87076569	6.375

Plotting the graph

```
# Let's visualize the happiness score by Family
Total %>%
  group_by() %>%
  summarise(Family, Economy, average_Happiness_Score = mean(Happiness_Score)) %>%
  arrange(Family,Economy) %>%
  ggplot(aes(x = Family, y = average_Happiness_Score, fill = Economy)) +
  geom_point( position = "jitter") +
  labs(title = "Relationship between Family and Average Happiness Score")
```

