209 assignment2

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1/31/2017

R Markdown

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When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```r
setwd("~/Desktop/MIDS/209/assg2")
dating = read.csv("Dating.csv")
summary(dating)
```

```
##      state               region           usr            sex
##  Min.   : 1.0   Midwest  :519               :   2   Female:1223
##  1st Qu.:13.0   Northeast:376   Rural   : 450   Male  :1029
##  Median :29.0   South    :870   Suburban:1037
##  Mean   :28.6   West     :487   Urban   : 763
##  3rd Qu.:42.0
##  Max.   :56.0
##
##     life_quality      use_internet   use_email   use_social_networking
##  1         :407                :1122      :1122             : 357
##  2         :618   Don't know:   2   No : 262   No     : 586
##  3         :762   No        : 190   Yes: 868   Refused:   3
##  4         :335   Refused   :   2              Yes    :1306
##  5         :110   Yes       : 936
##  Don't know:  8
##  Refused   : 12
##     use_twitter       use_reddit      googled_own_name have_cell_phone
##          : 357              : 357              : 357             :1127
##  Don't know:   1   Don't know:  72   Don't know:   2   No     : 175
##  No        :1586   No        :1717   No        : 843   Refused:   1
##  Refused   :   1   Refused   :   6   Refused   :   1   Yes    : 949
##  Yes       : 307   Yes       : 100   Yes       :1049
##
##
##     have_tablet     have_smart_phone             marital_status
##  Don't know:   5              : 176   Divorced            : 259
##  No        :1491   Don't know: 112   Living with partner: 119
##  Refused   :   2   No        : 908   Married             :1093
##  Yes       : 754   Refused   :   3   Never been married : 445
##                    Yes       :1053   Refused             :  34
##                                      Separated           :  62
##                                      Widowed             : 240
##     in_relationship years_in_relationship looking_for_partner
##  Don't know:   7   0       : 832                     :1428
##  No        : 781   1       :  91         Don't know:  13
##  Refused   :  36   2       :  66         No        : 644
```

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```
##   Yes      :1428   5      :  56          Refused    :  29
##                     20     :  54          Yes        : 138
##                     3      :  52
##                     (Other):1101
##    met_partner_online searched_for_ex_online    flirted_online
##            : 824           : 357                        : 357
##  Don't know:   3    No    :1467           Don't know:   2
##  No        :1354    Refused:   5          No        :1496
##  Refused   :   8    Yes    : 423          Refused   :   6
##  Yes       :  63                          Yes       : 391
##
##
##    used_dating_site      age           have_children    children0_5
##            : 357    Min.   :18.00   Don't know:   1    Min.   : 0.000
##  Don't know:   2    1st Qu.:36.00   No        :1678    1st Qu.: 0.000
##  No        :1691    Median :53.00   Refused   :  11    Median : 0.000
##  Refused   :   4    Mean   :52.13   Yes       : 562    Mean   : 1.858
##  Yes       : 198    3rd Qu.:66.00                      3rd Qu.: 1.000
##                     Max.   :99.00                      Max.   :99.000
##                                                        NA's   :1690
##    children6_11    children12_17   adults_in_household     educ2
##  Min.   : 0.000   Min.   : 0.000   2      :1192        3      :630
##  1st Qu.: 0.000   1st Qu.: 0.000   1      : 565        6      :472
##  Median : 0.000   Median : 0.000   3      : 296        4      :367
##  Mean   : 2.256   Mean   : 2.212   4      : 121        8      :329
##  3rd Qu.: 1.000   3rd Qu.: 1.000   5      :  29        5      :221
##  Max.   :99.000   Max.   :99.000   Refused:  24        2      :118
##  NA's   :1690     NA's   :1690     (Other):  25        (Other):115
##     emplnw             race           income           lgbt
##  Min.   :1.000   White    :1707   Min.   : 1.00   Bisexual  :  42
##  1st Qu.:1.000   Black    : 287   1st Qu.: 3.00   Don't know:  32
##  Median :2.000   Mixed race:  62  Median : 6.00   Gay       :  36
##  Mean   :2.382   Refused   :  62  Mean   :22.45   Other     :   5
##  3rd Qu.:3.000   Asian     :  45  3rd Qu.: 9.00   Refused   :  97
##  Max.   :9.000   Other     :  44  Max.   :99.00   Straight  :2040
##                  (Other)   :  45
##     weight         standwt
##  Min.   :1.000   Min.   :0.3158
##  1st Qu.:1.839   1st Qu.:0.5806
##  Median :2.774   Median :0.8760
##  Mean   :3.166   Mean   :0.9997
##  3rd Qu.:4.097   3rd Qu.:1.2937
##  Max.   :6.871   Max.   :2.1697
##  NA's   :11      NA's   :11
```

```r
hist(dating$age)
```

Histogram of dating$age