Importing YRBS Data

# Importing the original 2009 to 2019 YRBSS data

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# Loading R Packages

# Importing .dat files into R for YRBS 2019

raw2019YRBS <- read\_sav("C:/Users/acrom/Google Drive/ASU Files/ASU WORK PRODUCT\_CONHI Program/ASU-NUR CE Prep/YRBS Datasets/ADC Dissertation-YRBS Data Sets/2019YRBS-SPSS.sav")  
View(raw2019YRBS)

# Print Head and Summary of 2019 YRBS Data Frame

print("Top 6 Entries of data frame:")

## [1] "Top 6 Entries of data frame:"

head(raw2019YRBS)

## # A tibble: 6 × 235  
## Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10   
## <dbl+lbl> <dbl+l> <dbl+l> <dbl+l> <chr> <dbl> <dbl> <dbl+l> <dbl+l> <dbl+l>  
## 1 5 [16 years… 2 [Mal… 2 [10t… 1 [Yes] "A" 1.63 54.9 4 [Mos… 1 [0 t… 2 [0 t…  
## 2 4 [15 years… 2 [Mal… 2 [10t… 2 [No] "A … 1.6 54.0 5 [Alw… 2 [1 t… 2 [0 t…  
## 3 4 [15 years… 1 [Fem… 2 [10t… 2 [No] " B … 1.68 43.1 4 [Mos… 1 [0 t… 2 [0 t…  
## 4 4 [15 years… 2 [Mal… 2 [10t… 2 [No] " … 1.78 69.0 4 [Mos… 1 [0 t… 1 [Did…  
## 5 5 [16 years… 2 [Mal… 2 [10t… 1 [Yes] <NA> 1.78 59.0 4 [Mos… 1 [0 t… 1 [Did…  
## 6 4 [15 years… 1 [Fem… 2 [10t… 2 [No] " … 1.68 74.8 4 [Mos… 1 [0 t… 1 [Did…  
## # ℹ 225 more variables: Q11 <dbl+lbl>, Q12 <dbl+lbl>, Q13 <dbl+lbl>,  
## # Q14 <dbl+lbl>, Q15 <dbl+lbl>, Q16 <dbl+lbl>, Q17 <dbl+lbl>, Q18 <dbl+lbl>,  
## # Q19 <dbl+lbl>, Q20 <dbl+lbl>, Q21 <dbl+lbl>, Q22 <dbl+lbl>, Q23 <dbl+lbl>,  
## # Q24 <dbl+lbl>, Q25 <dbl+lbl>, Q26 <dbl+lbl>, Q27 <dbl+lbl>, Q28 <dbl+lbl>,  
## # Q29 <dbl+lbl>, Q30 <dbl+lbl>, Q31 <dbl+lbl>, Q32 <dbl+lbl>, Q33 <dbl+lbl>,  
## # Q34 <dbl+lbl>, Q35 <dbl+lbl>, Q36 <dbl+lbl>, Q37 <dbl+lbl>, Q38 <dbl+lbl>,  
## # Q39 <dbl+lbl>, Q40 <dbl+lbl>, Q41 <dbl+lbl>, Q42 <dbl+lbl>, …

print("summary:")

## [1] "summary:"

summary(raw2019YRBS)

## Q1 Q2 Q3 Q4   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:4.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :5.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :4.937 Mean :1.491 Mean :2.406 Mean :1.773   
## 3rd Qu.:6.000 3rd Qu.:2.000 3rd Qu.:3.000 3rd Qu.:2.000   
## Max. :7.000 Max. :2.000 Max. :5.000 Max. :2.000   
## NA's :72 NA's :151 NA's :112 NA's :291   
## Q5 Q6 Q7 Q8   
## Length:13677 Min. :1.300 Min. : 27.22 Min. :1.000   
## Class :character 1st Qu.:1.630 1st Qu.: 55.34 1st Qu.:4.000   
## Mode :character Median :1.680 Median : 63.50 Median :5.000   
## Mean :1.692 Mean : 67.91 Mean :4.301   
## 3rd Qu.:1.750 3rd Qu.: 75.75 3rd Qu.:5.000   
## Max. :2.030 Max. :180.99 Max. :5.000   
## NA's :1537 NA's :1537 NA's :2528   
## Q9 Q10 Q11 Q12 Q13   
## Min. :1.00 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.00 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.00 Median :2.00 Median :2.000 Median :1.000 Median :1.000   
## Mean :1.35 Mean :1.66 Mean :2.334 Mean :1.363 Mean :1.079   
## 3rd Qu.:1.00 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :5.00 Max. :6.00 Max. :8.000 Max. :5.000 Max. :5.000   
## NA's :860 NA's :1199 NA's :1567 NA's :3133 NA's :776   
## Q14 Q15 Q16 Q17   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.121 Mean :1.171 Mean :1.182 Mean :1.468   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :5.000 Max. :5.000 Max. :8.000 Max. :8.000   
## NA's :2818 NA's :76 NA's :132 NA's :2906   
## Q18 Q19 Q20 Q21 Q22   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00   
## Median :1.000 Median :2.000 Median :1.000 Median :2.000 Median :2.00   
## Mean :1.165 Mean :1.923 Mean :1.222 Mean :1.768 Mean :1.78   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :8.000 Max. :2.000 Max. :5.000 Max. :6.000 Max. :6.00   
## NA's :558 NA's :2438 NA's :3439 NA's :3324 NA's :408   
## Q23 Q24 Q25 Q26 Q27   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.799 Mean :1.841 Mean :1.633 Mean :1.804 Mean :1.84   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :230 NA's :192 NA's :256 NA's :240 NA's :255   
## Q28 Q29 Q30 Q31 Q32   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.00 Median :2.000 Median :1.000 Median :1.000   
## Mean :1.166 Mean :1.16 Mean :1.767 Mean :1.863 Mean :1.157   
## 3rd Qu.:1.000 3rd Qu.:1.00 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :5.000 Max. :3.00 Max. :2.000 Max. :7.000 Max. :7.000   
## NA's :3157 NA's :4928 NA's :3708 NA's :1375 NA's :1360   
## Q33 Q34 Q35 Q36 Q37   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.0 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.0 1st Qu.:1.000   
## Median :1.000 Median :2.000 Median :1.000 Median :1.0 Median :1.000   
## Mean :1.145 Mean :1.503 Mean :2.037 Mean :2.2 Mean :1.119   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:4.0 3rd Qu.:1.000   
## Max. :7.000 Max. :2.000 Max. :7.000 Max. :8.0 Max. :7.000   
## NA's :2783 NA's :472 NA's :910 NA's :1493 NA's :886   
## Q38 Q39 Q40 Q41 Q42   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00   
## Median :1.000 Median :1.000 Median :3.000 Median :1.000 Median :1.00   
## Mean :1.148 Mean :1.396 Mean :3.218 Mean :1.532 Mean :1.32   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:5.000 3rd Qu.:2.000 3rd Qu.:1.00   
## Max. :7.000 Max. :3.000 Max. :7.000 Max. :7.000 Max. :7.00   
## NA's :872 NA's :3687 NA's :491 NA's :1066 NA's :1657   
## Q43 Q44 Q45 Q46   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.831 Mean :2.495 Mean :2.189 Mean :2.623   
## 3rd Qu.:2.000 3rd Qu.:5.000 3rd Qu.:3.000 3rd Qu.:5.000   
## Max. :8.000 Max. :8.000 Max. :7.000 Max. :7.000   
## NA's :4782 NA's :3656 NA's :2018 NA's :431   
## Q47 Q48 Q49 Q50   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.554 Mean :1.164 Mean :1.318 Mean :1.104   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :6.000 Max. :6.000 Max. :6.000 Max. :6.000   
## NA's :372 NA's :1279 NA's :694 NA's :1505   
## Q51 Q52 Q53 Q54   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.143 Mean :1.068 Mean :1.071 Mean :1.095   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :6.000 Max. :6.000 Max. :6.000 Max. :6.000   
## NA's :3022 NA's :966 NA's :987 NA's :1221   
## Q55 Q56 Q57 Q58 Q59   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :2.000 Median :2.00 Median :1.000   
## Mean :1.047 Mean :1.028 Mean :1.778 Mean :1.62 Mean :2.804   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:5.000   
## Max. :6.000 Max. :3.000 Max. :2.000 Max. :2.00 Max. :8.000   
## NA's :4628 NA's :2723 NA's :396 NA's :2637 NA's :1715   
## Q60 Q61 Q62 Q63 Q64   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.00 Median :1.000 Median :1.000   
## Mean :1.899 Mean :1.758 Mean :1.69 Mean :1.534 Mean :2.138   
## 3rd Qu.:2.000 3rd Qu.:3.000 3rd Qu.:3.00 3rd Qu.:2.000 3rd Qu.:3.000   
## Max. :7.000 Max. :8.000 Max. :3.00 Max. :3.000 Max. :8.000   
## NA's :1718 NA's :1718 NA's :2032 NA's :1823 NA's :1957   
## Q65 Q66 Q67 Q68   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:3.000 1st Qu.:1.000   
## Median :2.000 Median :1.000 Median :3.000 Median :2.000   
## Mean :1.853 Mean :1.343 Mean :3.149 Mean :2.032   
## 3rd Qu.:3.000 3rd Qu.:1.000 3rd Qu.:4.000 3rd Qu.:3.000   
## Max. :4.000 Max. :4.000 Max. :5.000 Max. :4.000   
## NA's :2951 NA's :702 NA's :1726 NA's :3205   
## Q69 Q70 Q71 Q72 Q73   
## Min. :1.000 Min. :1.00 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.00 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :3.00 Median :2.00 Median :2.000 Median :1.000   
## Mean :2.372 Mean :3.11 Mean :1.97 Mean :1.944 Mean :1.715   
## 3rd Qu.:3.000 3rd Qu.:4.00 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :7.000 Max. :7.00 Max. :7.00 Max. :7.000 Max. :7.000   
## NA's :1085 NA's :791 NA's :1779 NA's :1778 NA's :1800   
## Q74 Q75 Q76 Q77   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:3.000   
## Median :2.000 Median :2.000 Median :2.000 Median :5.000   
## Mean :2.657 Mean :2.309 Mean :2.636 Mean :4.899   
## 3rd Qu.:3.000 3rd Qu.:3.000 3rd Qu.:4.000 3rd Qu.:8.000   
## Max. :7.000 Max. :7.000 Max. :7.000 Max. :8.000   
## NA's :1830 NA's :2282 NA's :4188 NA's :2084   
## Q78 Q79 Q80 Q81   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :5.000 Median :3.000 Median :4.000 Median :1.000   
## Mean :4.688 Mean :2.962 Mean :4.072 Mean :2.867   
## 3rd Qu.:7.000 3rd Qu.:4.000 3rd Qu.:6.000 3rd Qu.:6.000   
## Max. :8.000 Max. :7.000 Max. :7.000 Max. :6.000   
## NA's :457 NA's :881 NA's :500 NA's :2389   
## Q82 Q83 Q84 Q85   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :1.994 Mean :1.254 Mean :2.022 Mean :1.981   
## 3rd Qu.:3.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :4.000 Max. :5.000 Max. :3.000 Max. :3.000   
## NA's :3890 NA's :2128 NA's :951 NA's :3471   
## Q86 Q87 Q88 Q89   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :1.000 Median :2.000 Median :4.000 Median :2.000   
## Mean :1.545 Mean :1.822 Mean :3.436 Mean :2.075   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:4.000 3rd Qu.:2.000   
## Max. :5.000 Max. :3.000 Max. :7.000 Max. :7.000   
## NA's :1209 NA's :777 NA's :572 NA's :666   
## Q90 Q91 Q92 Q93   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:4.000   
## Median :1.000 Median :1.000 Median :2.000 Median :6.000   
## Mean :1.141 Mean :1.141 Mean :1.935 Mean :5.154   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:7.000   
## Max. :6.000 Max. :6.000 Max. :7.000 Max. :7.000   
## NA's :5000 NA's :4113 NA's :4083 NA's :3517   
## Q94 Q95 Q96 Q97   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :3.000 Median :1.000 Median :2.000   
## Mean :1.946 Mean :3.706 Mean :1.115 Mean :2.211   
## 3rd Qu.:2.000 3rd Qu.:6.000 3rd Qu.:1.000 3rd Qu.:3.000   
## Max. :3.000 Max. :8.000 Max. :6.000 Max. :5.000   
## NA's :5288 NA's :5203 NA's :5287 NA's :4865   
## Q98 Q99 QN8 QN9   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :1.621 Mean :1.207 Mean :1.929 Mean :1.827   
## 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :4.000 Max. :2.000 Max. :2.000   
## NA's :5237 NA's :5289 NA's :2528 NA's :860   
## QN10 QN11 QN12 QN13 QN14   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.00 Median :2.000   
## Mean :1.943 Mean :1.615 Mean :1.867 Mean :1.97 Mean :1.954   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :6240 NA's :6440 NA's :3133 NA's :776 NA's :2818   
## QN15 QN16 QN17 QN18   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.907 Mean :1.921 Mean :1.779 Mean :1.911   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :76 NA's :132 NA's :2906 NA's :558   
## QN19 QN20 QN21 QN22   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.923 Mean :1.887 Mean :1.919 Mean :1.908   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :2438 NA's :3439 NA's :6830 NA's :4974   
## QN23 QN24 QN25 QN26 QN27   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.799 Mean :1.841 Mean :1.633 Mean :1.804 Mean :1.84   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :230 NA's :192 NA's :256 NA's :240 NA's :255   
## QN28 QN29 QN30 QN31   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.899 Mean :1.974 Mean :1.767 Mean :1.916   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :3157 NA's :4928 NA's :3708 NA's :1375   
## QN32 QN33 QN34 QN35   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.941 Mean :1.923 Mean :1.503 Mean :1.678   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1360 NA's :13108 NA's :472 NA's :910   
## QN36 QN37 QN38 QN39   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.911 Mean :1.958 Mean :1.941 Mean :1.527   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :10351 NA's :886 NA's :872 NA's :11088   
## QN40 QN41 QN42 QN43   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.845 Mean :1.709 Mean :1.862 Mean :1.972   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :491 NA's :1066 NA's :1657 NA's :4782   
## QN44 QN45 QN46 QN47   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.601 Mean :1.638 Mean :1.938 Mean :1.779   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :10795 NA's :2018 NA's :431 NA's :372   
## QN48 QN49 QN50 QN51   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.923 Mean :1.846 Mean :1.954 Mean :1.927   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1279 NA's :694 NA's :1505 NA's :3022   
## QN52 QN53 QN54 QN55   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.975 Mean :1.972 Mean :1.958 Mean :1.981   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :966 NA's :987 NA's :1221 NA's :4628   
## QN56 QN57 QN58 QN59 QN60   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.00 Median :2.000 Median :2.000   
## Mean :1.982 Mean :1.778 Mean :1.62 Mean :1.966 Mean :1.917   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :2723 NA's :396 NA's :2637 NA's :1715 NA's :1718   
## QN61 QN62 QN63 QN64 QN65   
## Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000 Min. : NA   
## 1st Qu.:1.00 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.: NA   
## Median :2.00 Median :2.000 Median :1.000 Median :2.000 Median : NA   
## Mean :1.73 Mean :1.792 Mean :1.461 Mean :1.773 Mean :NaN   
## 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.: NA   
## Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000 Max. : NA   
## NA's :1718 NA's :10541 NA's :10536 NA's :10629 NA's :13677   
## QN66 QN67 QN68 QN69   
## Min. : NA Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.: NA 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median : NA Median :2.000 Median :2.000 Median :2.000   
## Mean :NaN Mean :1.687 Mean :1.528 Mean :1.685   
## 3rd Qu.: NA 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. : NA Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :13677 NA's :1726 NA's :3205 NA's :1085   
## QN70 QN71 QN72 QN73   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :1.000   
## Mean :1.873 Mean :1.571 Mean :1.626 Mean :1.458   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :791 NA's :1779 NA's :1778 NA's :1800   
## QN74 QN75 QN76 QN77   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.802 Mean :1.685 Mean :1.692 Mean :1.831   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1830 NA's :2282 NA's :4188 NA's :2084   
## QN78 QN79 QN80 QN81 QN82   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.00 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.00 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.00 Median :2.00 Median :1.000   
## Mean :1.575 Mean :1.797 Mean :1.55 Mean :1.52 Mean :1.433   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.00 Max. :2.000   
## NA's :457 NA's :881 NA's :500 NA's :2389 NA's :3890   
## QN83 QN84 QN85 QN86 QN87   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.00 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:1.00 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.00 Median :1.00 Median :2.000   
## Mean :1.848 Mean :1.898 Mean :1.91 Mean :1.25 Mean :1.774   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.00 Max. :2.000   
## NA's :2128 NA's :951 NA's :3471 NA's :1209 NA's :777   
## QN88 QN89 QN90 QN91   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :1.776 Mean :1.248 Mean :1.924 Mean :1.928   
## 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :572 NA's :666 NA's :5000 NA's :4113   
## QN92 QN93 QN94 QN95   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.503 Mean :1.952 Mean :1.831 Mean :1.514   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4083 NA's :3517 NA's :5288 NA's :5203   
## QN96 QN97 QN98 QN99   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :1.000   
## Mean :1.953 Mean :1.846 Mean :1.621 Mean :1.022   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :5287 NA's :4865 NA's :5237 NA's :5289   
## site qnfrcig qndaycig qnfrevp   
## Length:13677 Min. :1.000 Min. :1.000 Min. :1.000   
## Class :character 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Mode :character Median :2.000 Median :2.000 Median :2.000   
## Mean :1.987 Mean :1.989 Mean :1.897   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1360 NA's :1360 NA's :910   
## qndayevp qntb2 qntb3 qntb4 qntb5   
## Min. :1.000 Min. :1.0 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.0 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.0 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.931 Mean :1.9 Mean :1.884 Mean :1.624 Mean :1.649   
## 3rd Qu.:2.000 3rd Qu.:2.0 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.0 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :910 NA's :1927 NA's :1916 NA's :1804 NA's :1553   
## qniudimp qnothhpl qndualbc qnbcnone   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.948 Mean :1.686 Mean :1.904 Mean :1.874   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :10629 NA's :10629 NA's :10652 NA's :10629   
## qnfr0 qnfr1 qnfr2 qnveg0 qnveg1   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.00   
## Median :2.000 Median :1.000 Median :2.000 Median :2.000 Median :1.00   
## Mean :1.931 Mean :1.428 Mean :1.716 Mean :1.916 Mean :1.41   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :1148 NA's :1148 NA's :1148 NA's :1920 NA's :1920   
## qnveg2 qnveg3 qnsoda1 qnsoda2 qnmilk1   
## Min. :1.00 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.00 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.00 Median :2.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.74 Mean :1.86 Mean :1.848 Mean :1.906 Mean :1.721   
## 3rd Qu.:2.00 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.00 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1920 NA's :1920 NA's :2282 NA's :2282 NA's :4188   
## qnmilk3 qnbk7day qnpa0day qnpa7day   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.932 Mean :1.682 Mean :1.825 Mean :1.777   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4188 NA's :2084 NA's :457 NA's :457   
## qndlype qnnodnt qnspdrk1 qnspdrk2   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.749 Mean :1.979 Mean :1.893 Mean :1.939   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :2389 NA's :1209 NA's :4083 NA's :4083   
## qnwater1 qnwater2 qnwater3 qnillict   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :1.000 Median :1.000 Median :2.000   
## Mean :1.245 Mean :1.319 Mean :1.462 Mean :1.835   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :3517 NA's :3517 NA's :3517 NA's :3884   
## qnobese qnowt weight stratum   
## Min. :1.000 Min. :1.000 Min. :0.0650 Min. :101.0   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:0.3315 1st Qu.:103.0   
## Median :2.000 Median :2.000 Median :0.7480 Median :201.0   
## Mean :1.852 Mean :1.841 Mean :1.0000 Mean :158.6   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.3605 3rd Qu.:211.0   
## Max. :2.000 Max. :2.000 Max. :4.8641 Max. :214.0   
## NA's :1537 NA's :1537   
## psu bmipct raceeth q6orig   
## Min. : 57923 Min. : 0.00 Min. :1.000 Min. : 0.0   
## 1st Qu.:173676 1st Qu.:41.31 1st Qu.:5.000 1st Qu.:504.0   
## Median :343880 Median :68.81 Median :5.000 Median :506.0   
## Mean :364603 Mean :63.12 Mean :5.035 Mean :514.2   
## 3rd Qu.:515957 3rd Qu.:89.38 3rd Qu.:6.000 3rd Qu.:510.0   
## Max. :787890 Max. :99.97 Max. :8.000 Max. :711.0   
## NA's :1537 NA's :438 NA's :710   
## q7orig   
## Min. : 0.0   
## 1st Qu.:122.0   
## Median :140.0   
## Mean :150.1   
## 3rd Qu.:168.0   
## Max. :399.0   
## NA's :1116

# Importing .dat files into R for YRBS 2017

raw2017YRBS <- read\_sav("C:/Users/acrom/Google Drive/ASU Files/ASU WORK PRODUCT\_CONHI Program/ASU-NUR CE Prep/YRBS Datasets/ADC Dissertation-YRBS Data Sets/2017YRBS-SPSS.sav")  
View(raw2017YRBS)

# Print Head and Summary of 2017 YRBS Data Frame

print("Top 6 Entries of data frame:")

## [1] "Top 6 Entries of data frame:"

head(raw2017YRBS)

## # A tibble: 6 × 240  
## Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10   
## <dbl+lbl> <dbl+l> <dbl+l> <dbl+l> <chr> <dbl> <dbl> <dbl+l> <dbl+l> <dbl+lb>  
## 1 5 [16 year… 2 [Mal… 3 [11t… 2 [No] " … 1.9 109. 4 [Mos… 1 [0 t… 2 [0 t…  
## 2 7 [18 year… 2 [Mal… 3 [11t… 1 [Yes] <NA> 1.6 59.0 5 [Alw… 1 [0 t… 2 [0 t…  
## 3 5 [16 year… 1 [Fem… 3 [11t… 1 [Yes] "A" 1.65 64.4 5 [Alw… 1 [0 t… 2 [0 t…  
## 4 6 [17 year… 1 [Fem… 3 [11t… 1 [Yes] <NA> 1.6 64.9 4 [Mos… 1 [0 t… 2 [0 t…  
## 5 7 [18 year… 2 [Mal… 3 [11t… 2 [No] " … 1.75 65.8 5 [Alw… 1 [0 t… 2 [0 t…  
## 6 5 [16 year… 1 [Fem… 3 [11t… 2 [No] " … 1.63 54.4 2 [Rar… 1 [0 t… NA   
## # ℹ 230 more variables: Q11 <dbl+lbl>, Q12 <dbl+lbl>, Q13 <dbl+lbl>,  
## # Q14 <dbl+lbl>, Q15 <dbl+lbl>, Q16 <dbl+lbl>, Q17 <dbl+lbl>, Q18 <dbl+lbl>,  
## # Q19 <dbl+lbl>, Q20 <dbl+lbl>, Q21 <dbl+lbl>, Q22 <dbl+lbl>, Q23 <dbl+lbl>,  
## # Q24 <dbl+lbl>, Q25 <dbl+lbl>, Q26 <dbl+lbl>, Q27 <dbl+lbl>, Q28 <dbl+lbl>,  
## # Q29 <dbl+lbl>, Q30 <dbl+lbl>, Q31 <dbl+lbl>, Q32 <dbl+lbl>, Q33 <dbl+lbl>,  
## # Q34 <dbl+lbl>, Q35 <dbl+lbl>, Q36 <dbl+lbl>, Q37 <dbl+lbl>, Q38 <dbl+lbl>,  
## # Q39 <dbl+lbl>, Q40 <dbl+lbl>, Q41 <dbl+lbl>, Q42 <dbl+lbl>, …

print("summary:")

## [1] "summary:"

summary(raw2017YRBS)

## Q1 Q2 Q3 Q4   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:4.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :5.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :4.964 Mean :1.486 Mean :2.446 Mean :1.748   
## 3rd Qu.:6.000 3rd Qu.:2.000 3rd Qu.:3.000 3rd Qu.:2.000   
## Max. :7.000 Max. :2.000 Max. :5.000 Max. :2.000   
## NA's :81 NA's :127 NA's :114 NA's :255   
## Q5 Q6 Q7 Q8   
## Length:14765 Min. :1.320 Min. : 24.95 Min. :1.00   
## Class :character 1st Qu.:1.600 1st Qu.: 55.34 1st Qu.:4.00   
## Mode :character Median :1.680 Median : 63.50 Median :5.00   
## Mean :1.689 Mean : 67.69 Mean :4.32   
## 3rd Qu.:1.750 3rd Qu.: 75.30 3rd Qu.:5.00   
## Max. :2.030 Max. :180.99 Max. :5.00   
## NA's :1619 NA's :1619 NA's :2891   
## Q9 Q10 Q11 Q12 Q13   
## Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.00 Median :2.000 Median :2.000 Median :1.000 Median :1.000   
## Mean :1.33 Mean :1.654 Mean :2.286 Mean :1.412 Mean :1.112   
## 3rd Qu.:1.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :5.00 Max. :6.000 Max. :8.000 Max. :5.000 Max. :5.000   
## NA's :50 NA's :1070 NA's :963 NA's :3027 NA's :258   
## Q14 Q15 Q16 Q17 Q18   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.00 Median :1.000 Median :1.000   
## Mean :1.134 Mean :1.122 Mean :1.16 Mean :1.502 Mean :1.163   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.00 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :5.000 Max. :5.000 Max. :8.00 Max. :8.000 Max. :8.000   
## NA's :570 NA's :2594 NA's :63 NA's :2708 NA's :287   
## Q19 Q20 Q21 Q22   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :1.923 Mean :1.187 Mean :1.758 Mean :1.802   
## 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :5.000 Max. :6.000 Max. :6.000   
## NA's :325 NA's :620 NA's :993 NA's :680   
## Q23 Q24 Q25 Q26 Q27   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.818 Mean :1.855 Mean :1.681 Mean :1.823 Mean :1.86   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :159 NA's :170 NA's :238 NA's :212 NA's :224   
## Q28 Q29 Q30 Q31 Q32   
## Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.00 Median :1.000 Median :2.000 Median :1.000 Median :1.000   
## Mean :1.14 Mean :1.131 Mean :1.722 Mean :2.078 Mean :1.255   
## 3rd Qu.:1.00 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:3.000 3rd Qu.:1.000   
## Max. :5.00 Max. :3.000 Max. :2.000 Max. :7.000 Max. :7.000   
## NA's :4079 NA's :4145 NA's :2853 NA's :2851 NA's :358   
## Q33 Q34 Q35 Q36   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :2.000 Median :1.000 Median :1.000   
## Mean :1.201 Mean :1.587 Mean :1.366 Mean :1.474   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :7.000 Max. :2.000 Max. :7.000 Max. :8.000   
## NA's :3079 NA's :452 NA's :1921 NA's :2137   
## Q37 Q38 Q39 Q40 Q41   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.0 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.0 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :2.0 Median :3.000   
## Mean :1.169 Mean :1.201 Mean :1.369 Mean :2.6 Mean :3.201   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:4.0 3rd Qu.:5.000   
## Max. :7.000 Max. :7.000 Max. :3.000 Max. :7.0 Max. :7.000   
## NA's :294 NA's :354 NA's :4462 NA's :986 NA's :1159   
## Q42 Q43 Q44 Q45 Q46   
## Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.00 Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.53 Mean :2.499 Mean :1.312 Mean :1.895 Mean :2.178   
## 3rd Qu.:2.00 3rd Qu.:5.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:3.000   
## Max. :7.00 Max. :8.000 Max. :7.000 Max. :8.000 Max. :7.000   
## NA's :1781 NA's :4375 NA's :1090 NA's :4638 NA's :483   
## Q47 Q48 Q49 Q50   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :2.516 Mean :1.501 Mean :1.112 Mean :1.131   
## 3rd Qu.:5.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :7.000 Max. :6.000 Max. :6.000 Max. :6.000   
## NA's :427 NA's :379 NA's :257 NA's :2818   
## Q51 Q52 Q53 Q54 Q55   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.00 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.058 Mean :1.07 Mean :1.087 Mean :1.133 Mean :1.071   
## 3rd Qu.:1.000 3rd Qu.:1.00 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :6.000 Max. :6.00 Max. :6.000 Max. :6.000 Max. :6.000   
## NA's :385 NA's :387 NA's :414 NA's :404 NA's :2697   
## Q56 Q57 Q58 Q59 Q60   
## Min. :1.0 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.0 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.0 Median :1.000 Median :2.000 Median :2.000 Median :1.000   
## Mean :1.3 Mean :1.027 Mean :1.794 Mean :1.608 Mean :2.841   
## 3rd Qu.:1.0 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:5.000   
## Max. :6.0 Max. :3.000 Max. :2.000 Max. :2.000 Max. :8.000   
## NA's :255 NA's :442 NA's :317 NA's :1505 NA's :1560   
## Q61 Q62 Q63 Q64   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.972 Mean :1.811 Mean :1.715 Mean :1.549   
## 3rd Qu.:2.000 3rd Qu.:3.000 3rd Qu.:3.000 3rd Qu.:2.000   
## Max. :7.000 Max. :8.000 Max. :3.000 Max. :3.000   
## NA's :1587 NA's :1686 NA's :1574 NA's :1691   
## Q65 Q66 Q67 Q68   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:3.000   
## Median :1.000 Median :2.000 Median :1.000 Median :3.000   
## Mean :2.186 Mean :1.847 Mean :1.314 Mean :3.173   
## 3rd Qu.:4.000 3rd Qu.:3.000 3rd Qu.:1.000 3rd Qu.:4.000   
## Max. :8.000 Max. :4.000 Max. :4.000 Max. :5.000   
## NA's :1798 NA's :3368 NA's :657 NA's :779   
## Q69 Q70 Q71 Q72   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :3.000 Median :2.000   
## Mean :2.032 Mean :2.551 Mean :3.142 Mean :1.971   
## 3rd Qu.:3.000 3rd Qu.:3.000 3rd Qu.:4.000 3rd Qu.:2.000   
## Max. :4.000 Max. :7.000 Max. :7.000 Max. :7.000   
## NA's :3224 NA's :372 NA's :376 NA's :740   
## Q73 Q74 Q75 Q76   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :1.969 Mean :1.684 Mean :2.637 Mean :2.482   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:3.000 3rd Qu.:3.000   
## Max. :7.000 Max. :7.000 Max. :7.000 Max. :7.000   
## NA's :738 NA's :776 NA's :830 NA's :461   
## Q77 Q78 Q79 Q80   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:3.000 1st Qu.:3.000 1st Qu.:1.000   
## Median :2.000 Median :5.000 Median :5.000 Median :3.000   
## Mean :2.745 Mean :5.113 Mean :4.763 Mean :3.094   
## 3rd Qu.:4.000 3rd Qu.:8.000 3rd Qu.:7.000 3rd Qu.:4.000   
## Max. :7.000 Max. :8.000 Max. :8.000 Max. :7.000   
## NA's :2905 NA's :2847 NA's :527 NA's :898   
## Q81 Q82 Q83 Q84 Q85   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:2.000   
## Median :4.000 Median :1.000 Median :2.00 Median :1.000 Median :2.000   
## Mean :3.997 Mean :2.897 Mean :1.93 Mean :1.263 Mean :2.013   
## 3rd Qu.:6.000 3rd Qu.:6.000 3rd Qu.:3.00 3rd Qu.:1.000 3rd Qu.:2.000   
## Max. :7.000 Max. :6.000 Max. :4.00 Max. :5.000 Max. :3.000   
## NA's :926 NA's :614 NA's :3045 NA's :628 NA's :624   
## Q86 Q87 Q88 Q89 Q90   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.0 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:3.000 1st Qu.:1.0 1st Qu.:1.000   
## Median :1.000 Median :2.000 Median :4.000 Median :2.0 Median :2.000   
## Mean :1.541 Mean :1.808 Mean :3.539 Mean :2.1 Mean :1.861   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:4.000 3rd Qu.:3.0 3rd Qu.:2.000   
## Max. :5.000 Max. :3.000 Max. :7.000 Max. :7.0 Max. :6.000   
## NA's :564 NA's :940 NA's :2954 NA's :3091 NA's :3510   
## Q91 Q92 Q93 Q94   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:3.000 1st Qu.:2.000   
## Median :1.000 Median :2.000 Median :6.000 Median :2.000   
## Mean :1.121 Mean :2.046 Mean :5.069 Mean :1.958   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:7.000 3rd Qu.:2.000   
## Max. :6.000 Max. :7.000 Max. :7.000 Max. :3.000   
## NA's :3891 NA's :3877 NA's :4067 NA's :4061   
## Q95 Q96 Q97 Q98   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :3.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :3.806 Mean :1.133 Mean :2.359 Mean :1.677   
## 3rd Qu.:6.000 3rd Qu.:1.000 3rd Qu.:3.000 3rd Qu.:2.000   
## Max. :8.000 Max. :6.000 Max. :6.000 Max. :2.000   
## NA's :4052 NA's :1751 NA's :4056 NA's :4097   
## Q99 QN8 QN9 QN10   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :1.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.196 Mean :1.936 Mean :1.835 Mean :1.943   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :4.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4054 NA's :2891 NA's :50 NA's :6697   
## QN11 QN12 QN13 QN14 QN15   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.627 Mean :1.854 Mean :1.958 Mean :1.949 Mean :1.93   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :6595 NA's :3027 NA's :258 NA's :570 NA's :2594   
## QN16 QN17 QN18 QN19 QN20   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.00 Median :2.000 Median :2.000   
## Mean :1.936 Mean :1.766 Mean :1.91 Mean :1.923 Mean :1.899   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :63 NA's :2708 NA's :287 NA's :325 NA's :620   
## QN21 QN22 QN23 QN24   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.932 Mean :1.912 Mean :1.818 Mean :1.855   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :5534 NA's :5212 NA's :159 NA's :170   
## QN25 QN26 QN27 QN28 QN29   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.00 Median :2.000 Median :2.000   
## Mean :1.681 Mean :1.823 Mean :1.86 Mean :1.922 Mean :1.973   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :238 NA's :212 NA's :224 NA's :4079 NA's :4145   
## QN30 QN31 QN32 QN33 QN34   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.722 Mean :1.91 Mean :1.915 Mean :1.917 Mean :1.587   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :2853 NA's :2851 NA's :358 NA's :13827 NA's :452   
## QN35 QN36 QN37 QN38 QN39   
## Min. :1.00 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.00 Median :2.000 Median :2.00 Median :2.000 Median :2.000   
## Mean :1.87 Mean :1.856 Mean :1.95 Mean :1.922 Mean :1.594   
## 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.00 Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :1921 NA's :13415 NA's :294 NA's :354 NA's :12378   
## QN40 QN41 QN42 QN43 QN44   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:2.00   
## Median :1.000 Median :2.000 Median :2.00 Median :2.000 Median :2.00   
## Mean :1.401 Mean :1.841 Mean :1.71 Mean :1.564 Mean :1.87   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.00   
## NA's :986 NA's :1159 NA's :1781 NA's :11822 NA's :1090   
## QN45 QN46 QN47 QN48 QN49   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.961 Mean :1.641 Mean :1.931 Mean :1.801 Mean :1.95   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :4638 NA's :483 NA's :427 NA's :379 NA's :257   
## QN50 QN51 QN52 QN53 QN54   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.937 Mean :1.98 Mean :1.973 Mean :1.959 Mean :1.932   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :2818 NA's :385 NA's :387 NA's :414 NA's :404   
## QN55 QN56 QN57 QN58 QN59   
## Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.00 Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.97 Mean :1.859 Mean :1.982 Mean :1.794 Mean :1.608   
## 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :2697 NA's :255 NA's :442 NA's :317 NA's :1505   
## QN60 QN61 QN62 QN63   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.963 Mean :1.904 Mean :1.715 Mean :1.811   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1560 NA's :1587 NA's :1686 NA's :11055   
## QN64 QN65 QN68 QN69   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.456 Mean :1.816 Mean :1.687 Mean :1.527   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :11137 NA's :11228 NA's :779 NA's :3224   
## QN70 QN71 QN72 QN73   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.727 Mean :1.878 Mean :1.574 Mean :1.633   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :372 NA's :376 NA's :740 NA's :738   
## QN74 QN75 QN76 QN77   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.436 Mean :1.805 Mean :1.722 Mean :1.718   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :776 NA's :830 NA's :461 NA's :2905   
## QN78 QN79 QN80 QN81 QN82   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.855 Mean :1.562 Mean :1.778 Mean :1.568 Mean :1.52   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :2847 NA's :527 NA's :898 NA's :926 NA's :614   
## QN83 QN84 QN85 QN86 QN87   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :2.00 Median :2.000 Median :1.000 Median :2.000   
## Mean :1.453 Mean :1.85 Mean :1.893 Mean :1.248 Mean :1.766   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :3045 NA's :628 NA's :624 NA's :564 NA's :940   
## QN88 QN89 QN90 QN91 QN92   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :1.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.752 Mean :1.26 Mean :1.865 Mean :1.937 Mean :1.531   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :2954 NA's :3091 NA's :7606 NA's :3891 NA's :3877   
## QN93 QN94 QN95 QN96   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.956 Mean :1.847 Mean :1.503 Mean :1.944   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4067 NA's :4061 NA's :4052 NA's :1751   
## QN97 QN98 QN99 site   
## Min. :1.000 Min. :1.000 Min. :1.000 Length:14765   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 Class :character   
## Median :1.000 Median :2.000 Median :1.000 Mode :character   
## Mean :1.482 Mean :1.677 Mean :1.021   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.000   
## Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4056 NA's :4097 NA's :4054   
## qnfrcig qndaycig qntb2 qntb3   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.977 Mean :1.982 Mean :1.881 Mean :1.867   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :358 NA's :358 NA's :559 NA's :552   
## qntb4 qniudimp qnshparg qnothhpl   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.807 Mean :1.959 Mean :1.955 Mean :1.73   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :1881 NA's :11228 NA's :11228 NA's :11228   
## qndualbc qnbcnone qnfr0 qnfr1   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :1.000   
## Mean :1.918 Mean :1.847 Mean :1.938 Mean :1.411   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :11249 NA's :11228 NA's :421 NA's :421   
## qnfr2 qnfr3 qnveg0 qnveg1 qnveg2   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000   
## Median :2.000 Median :2.00 Median :2.000 Median :1.00 Median :2.000   
## Mean :1.694 Mean :1.81 Mean :1.918 Mean :1.42 Mean :1.744   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :421 NA's :421 NA's :932 NA's :932 NA's :932   
## qnveg3 qnsoda1 qnsoda2 qnsoda3 qnmilk1   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.00 Median :2.000   
## Mean :1.863 Mean :1.815 Mean :1.877 Mean :1.93 Mean :1.696   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :932 NA's :461 NA's :461 NA's :461 NA's :2905   
## qnmilk2 qnmilk3 qnbk7day qnpa0day   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.829 Mean :1.921 Mean :1.653 Mean :1.831   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :2905 NA's :2905 NA's :2847 NA's :527   
## qnpa7day qndlype qnnodnt qnspdrk1 qnspdrk2   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.758 Mean :1.732 Mean :1.984 Mean :1.871 Mean :1.92   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :527 NA's :614 NA's :564 NA's :3877 NA's :3877   
## qnspdrk3 qnwater1 qnwater2 qnwater3 qnobese   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :1.000 Median :1.00 Median :1.000 Median :2.000   
## Mean :1.956 Mean :1.255 Mean :1.34 Mean :1.494 Mean :1.852   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :3877 NA's :4067 NA's :4067 NA's :4067 NA's :1619   
## qnowt weight stratum psu   
## Min. :1.000 Min. :0.0442 Min. :101.0 Min. : 11170   
## 1st Qu.:2.000 1st Qu.:0.3572 1st Qu.:103.0 1st Qu.:160270   
## Median :2.000 Median :0.7535 Median :114.0 Median :240450   
## Mean :1.837 Mean :1.0000 Mean :154.4 Mean :273095   
## 3rd Qu.:2.000 3rd Qu.:1.3419 3rd Qu.:211.0 3rd Qu.:401130   
## Max. :2.000 Max. :4.6923 Max. :214.0 Max. :550790   
## NA's :1619   
## bmipct raceeth q6orig q7orig   
## Min. : 0.00 Min. :1.000 Min. : 0.0 Min. : 0.0   
## 1st Qu.:41.72 1st Qu.:4.000 1st Qu.:503.0 1st Qu.:122.0   
## Median :69.31 Median :5.000 Median :506.0 Median :140.0   
## Mean :63.52 Mean :5.001 Mean :513.8 Mean :149.5   
## 3rd Qu.:89.46 3rd Qu.:6.000 3rd Qu.:509.0 3rd Qu.:167.0   
## Max. :99.97 Max. :8.000 Max. :711.0 Max. :399.0   
## NA's :1619 NA's :337 NA's :824 NA's :1208   
## qndayevp qnfrevp qndayskl qnfrskl qndaycgr   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.00 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.979 Mean :1.97 Mean :1.986 Mean :1.982 Mean :1.99   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :1921 NA's :1921 NA's :294 NA's :294 NA's :354   
## qnfrcgr   
## Min. :1.000   
## 1st Qu.:2.000   
## Median :2.000   
## Mean :1.986   
## 3rd Qu.:2.000   
## Max. :2.000   
## NA's :354

# Importing .dat files into R for YRBS 2015

raw2015YRBS <- read\_sav("C:/Users/acrom/Google Drive/ASU Files/ASU WORK PRODUCT\_CONHI Program/ASU-NUR CE Prep/YRBS Datasets/ADC Dissertation-YRBS Data Sets/2015YRBS-SPSS.sav")  
View(raw2015YRBS)

# Print Head and Summary of 2015 YRBS Data Frame

print("Top 6 Entries of data frame:")

## [1] "Top 6 Entries of data frame:"

head(raw2015YRBS)

## # A tibble: 6 × 239  
## Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10   
## <dbl+lbl> <dbl+l> <dbl+l> <dbl+l> <chr> <dbl> <dbl> <dbl+l> <dbl+l> <dbl+l>  
## 1 5 [16 years… 2 [Mal… 3 [11t… 2 [No] " C" 1.73 54.4 2 [Nev… 5 [Alw… 5 [6 o…  
## 2 5 [16 years… 1 [Fem… 3 [11t… 1 [Yes] " … 1.5 51.3 2 [Nev… 5 [Alw… 1 [0 t…  
## 3 6 [17 years… 2 [Mal… 4 [12t… 2 [No] " … 1.9 66.7 1 [Did… 5 [Alw… 1 [0 t…  
## 4 6 [17 years… 2 [Mal… 4 [12t… 2 [No] " … NA NA 2 [Nev… 5 [Alw… 1 [0 t…  
## 5 5 [16 years… 1 [Fem… 3 [11t… 2 [No] " … 1.63 68.5 1 [Did… 4 [Mos… 3 [2 o…  
## 6 7 [18 years… 2 [Mal… 4 [12t… 2 [No] " … 1.7 59.9 2 [Nev… 5 [Alw… 1 [0 t…  
## # ℹ 229 more variables: Q11 <dbl+lbl>, Q12 <dbl+lbl>, Q13 <dbl+lbl>,  
## # Q14 <dbl+lbl>, Q15 <dbl+lbl>, Q16 <dbl+lbl>, Q17 <dbl+lbl>, Q18 <dbl+lbl>,  
## # Q19 <dbl+lbl>, Q20 <dbl+lbl>, Q21 <dbl+lbl>, Q22 <dbl+lbl>, Q23 <dbl+lbl>,  
## # Q24 <dbl+lbl>, Q25 <dbl+lbl>, Q26 <dbl+lbl>, Q27 <dbl+lbl>, Q28 <dbl+lbl>,  
## # Q29 <dbl+lbl>, Q30 <dbl+lbl>, Q31 <dbl+lbl>, Q32 <dbl+lbl>, Q33 <dbl+lbl>,  
## # Q34 <dbl+lbl>, Q35 <dbl+lbl>, Q36 <dbl+lbl>, Q37 <dbl+lbl>, Q38 <dbl+lbl>,  
## # Q39 <dbl+lbl>, Q40 <dbl+lbl>, Q41 <dbl+lbl>, Q42 <dbl+lbl>, …

print("summary:")

## [1] "summary:"

summary(raw2015YRBS)

## Q1 Q2 Q3 Q4   
## Min. :1.000 Min. :1.0 Min. :1.000 Min. :1.000   
## 1st Qu.:4.000 1st Qu.:1.0 1st Qu.:1.000 1st Qu.:1.000   
## Median :5.000 Median :1.0 Median :2.000 Median :2.000   
## Mean :5.044 Mean :1.5 Mean :2.466 Mean :1.667   
## 3rd Qu.:6.000 3rd Qu.:2.0 3rd Qu.:3.000 3rd Qu.:2.000   
## Max. :7.000 Max. :2.0 Max. :5.000 Max. :2.000   
## NA's :66 NA's :118 NA's :117 NA's :245   
## Q5 Q6 Q7 Q8   
## Length:15624 Min. :1.270 Min. : 33.57 Min. :1.000   
## Class :character 1st Qu.:1.600 1st Qu.: 55.79 1st Qu.:1.000   
## Mode :character Median :1.680 Median : 63.50 Median :2.000   
## Mean :1.687 Mean : 67.78 Mean :2.038   
## 3rd Qu.:1.750 3rd Qu.: 75.75 3rd Qu.:2.000   
## Max. :2.110 Max. :180.99 Max. :6.000   
## NA's :1266 NA's :1266 NA's :2462   
## Q9 Q10 Q11 Q12   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:4.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :5.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :4.373 Mean :1.452 Mean :1.713 Mean :2.344   
## 3rd Qu.:5.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :5.000 Max. :5.000 Max. :6.000 Max. :8.000   
## NA's :1554 NA's :69 NA's :1709 NA's :967   
## Q13 Q14 Q15 Q16 Q17   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.00 Median :1.000   
## Mean :1.503 Mean :1.128 Mean :1.125 Mean :1.12 Mean :1.163   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.00 3rd Qu.:1.000   
## Max. :5.000 Max. :5.000 Max. :5.000 Max. :5.00 Max. :8.000   
## NA's :1201 NA's :2361 NA's :156 NA's :61 NA's :631   
## Q18 Q19 Q20 Q21   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :1.000 Median :1.000 Median :2.000   
## Mean :1.483 Mean :1.048 Mean :1.157 Mean :1.925   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:2.000   
## Max. :8.000 Max. :5.000 Max. :8.000 Max. :2.000   
## NA's :2500 NA's :2284 NA's :292 NA's :728   
## Q22 Q23 Q24 Q25 Q26   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.842 Mean :1.851 Mean :1.809 Mean :1.853 Mean :1.69   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :6.000 Max. :6.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :540 NA's :1075 NA's :176 NA's :159 NA's :169   
## Q27 Q28 Q29 Q30 Q31   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :1.000 Median :1.00 Median :2.000   
## Mean :1.818 Mean :1.846 Mean :1.167 Mean :1.16 Mean :1.663   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:1.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :5.000 Max. :3.00 Max. :2.000   
## NA's :190 NA's :483 NA's :3057 NA's :3293 NA's :1825   
## Q32 Q33 Q34 Q35   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.985 Mean :1.337 Mean :1.277 Mean :1.388   
## 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :7.000 Max. :7.000 Max. :7.000 Max. :8.000   
## NA's :805 NA's :635 NA's :827 NA's :1198   
## Q36 Q37 Q38 Q39 Q40   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :2.00 Median :1.000   
## Mean :1.217 Mean :1.243 Mean :1.241 Mean :1.53 Mean :1.604   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :3.000 Max. :7.000 Max. :7.000 Max. :2.00 Max. :7.000   
## NA's :2336 NA's :478 NA's :439 NA's :533 NA's :306   
## Q41 Q42 Q43 Q44 Q45   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :4.00 Median :1.000 Median :1.000 Median :1.000   
## Mean :2.778 Mean :3.42 Mean :1.625 Mean :1.405 Mean :2.084   
## 3rd Qu.:4.000 3rd Qu.:5.00 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:2.000   
## Max. :7.000 Max. :7.00 Max. :7.000 Max. :7.000 Max. :8.000   
## NA's :575 NA's :367 NA's :1510 NA's :657 NA's :4027   
## Q46 Q47 Q48 Q49   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :2.677 Mean :2.366 Mean :2.661 Mean :1.577   
## 3rd Qu.:5.000 3rd Qu.:3.000 3rd Qu.:5.000 3rd Qu.:1.000   
## Max. :8.000 Max. :7.000 Max. :7.000 Max. :6.000   
## NA's :1819 NA's :467 NA's :426 NA's :374   
## Q50 Q51 Q52 Q53   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.135 Mean :1.154 Mean :1.069 Mean :1.089   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :6.000 Max. :6.000 Max. :6.000 Max. :6.000   
## NA's :192 NA's :466 NA's :200 NA's :735   
## Q54 Q55 Q56 Q57 Q58   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000 Median :1.00   
## Mean :1.117 Mean :1.202 Mean :1.098 Mean :1.404 Mean :1.03   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.00   
## Max. :6.000 Max. :6.000 Max. :6.000 Max. :6.000 Max. :3.00   
## NA's :227 NA's :174 NA's :459 NA's :257 NA's :838   
## Q59 Q60 Q61 Q62   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :1.000 Median :1.000   
## Mean :1.764 Mean :1.574 Mean :2.935 Mean :2.105   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:5.000 3rd Qu.:3.000   
## Max. :2.000 Max. :2.000 Max. :8.000 Max. :7.000   
## NA's :828 NA's :1636 NA's :1692 NA's :1714   
## Q63 Q64 Q65 Q66   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.883 Mean :1.766 Mean :1.592 Mean :2.287   
## 3rd Qu.:3.000 3rd Qu.:3.000 3rd Qu.:2.000 3rd Qu.:4.000   
## Max. :8.000 Max. :3.000 Max. :3.000 Max. :8.000   
## NA's :1714 NA's :2167 NA's :1833 NA's :1967   
## Q67 Q68 Q69 Q70 Q71   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:3.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :1.00 Median :3.000 Median :2.000 Median :2.000   
## Mean :1.875 Mean :1.25 Mean :3.203 Mean :2.031 Mean :2.667   
## 3rd Qu.:3.000 3rd Qu.:1.00 3rd Qu.:4.000 3rd Qu.:3.000 3rd Qu.:3.000   
## Max. :4.000 Max. :4.00 Max. :5.000 Max. :4.000 Max. :7.000   
## NA's :1229 NA's :921 NA's :304 NA's :1780 NA's :263   
## Q72 Q73 Q74 Q75 Q76   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.00   
## Median :3.000 Median :2.00 Median :2.000 Median :1.000 Median :2.00   
## Mean :3.185 Mean :2.03 Mean :2.041 Mean :1.773 Mean :2.64   
## 3rd Qu.:4.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:3.00   
## Max. :7.000 Max. :7.00 Max. :7.000 Max. :7.000 Max. :7.00   
## NA's :290 NA's :315 NA's :291 NA's :310 NA's :319   
## Q77 Q78 Q79 Q80   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:3.000 1st Qu.:3.000   
## Median :2.000 Median :3.000 Median :5.000 Median :5.000   
## Mean :2.656 Mean :3.042 Mean :5.125 Mean :4.897   
## 3rd Qu.:3.000 3rd Qu.:4.000 3rd Qu.:8.000 3rd Qu.:8.000   
## Max. :7.000 Max. :7.000 Max. :8.000 Max. :8.000   
## NA's :332 NA's :2409 NA's :1768 NA's :379   
## Q81 Q82 Q83 Q84   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :3.000 Median :4.000 Median :2.000 Median :2.000   
## Mean :3.358 Mean :4.017 Mean :3.129 Mean :1.932   
## 3rd Qu.:5.000 3rd Qu.:6.000 3rd Qu.:6.000 3rd Qu.:3.000   
## Max. :7.000 Max. :7.000 Max. :6.000 Max. :4.000   
## NA's :500 NA's :446 NA's :452 NA's :2502   
## Q85 Q86 Q87 Q88   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:3.000   
## Median :2.000 Median :1.000 Median :2.000 Median :4.000   
## Mean :2.006 Mean :1.624 Mean :1.816 Mean :3.656   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:5.000   
## Max. :3.000 Max. :5.000 Max. :3.000 Max. :7.000   
## NA's :728 NA's :769 NA's :1612 NA's :1090   
## Q89 Q90 Q91 Q92 Q93   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:3.000   
## Median :2.000 Median :1.000 Median :1.00 Median :2.000 Median :5.000   
## Mean :2.215 Mean :1.289 Mean :1.13 Mean :2.209 Mean :5.009   
## 3rd Qu.:3.000 3rd Qu.:1.000 3rd Qu.:1.00 3rd Qu.:3.000 3rd Qu.:7.000   
## Max. :7.000 Max. :6.000 Max. :6.00 Max. :7.000 Max. :7.000   
## NA's :855 NA's :4478 NA's :4212 NA's :4319 NA's :4274   
## Q94 Q95 Q96 Q97 Q98   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :4.00 Median :1.000 Median :2.000 Median :2.000   
## Mean :1.951 Mean :3.95 Mean :1.169 Mean :2.319 Mean :1.685   
## 3rd Qu.:2.000 3rd Qu.:6.00 3rd Qu.:1.000 3rd Qu.:3.000 3rd Qu.:2.000   
## Max. :3.000 Max. :8.00 Max. :6.000 Max. :6.000 Max. :2.000   
## NA's :4375 NA's :4304 NA's :4427 NA's :4439 NA's :4507   
## Q99 QN8 QN9 QN10   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :1.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :1.202 Mean :1.153 Mean :1.938 Mean :1.781   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :4.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4411 NA's :6867 NA's :1554 NA's :69   
## QN11 QN12 QN13 QN14   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.911 Mean :1.607 Mean :1.825 Mean :1.946   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :7192 NA's :6836 NA's :1201 NA's :2361   
## QN15 QN16 QN17 QN18 QN19   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.00 Median :2.00   
## Mean :1.954 Mean :1.937 Mean :1.937 Mean :1.78 Mean :1.97   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.00   
## NA's :156 NA's :61 NA's :631 NA's :2500 NA's :2284   
## QN20 QN21 QN22 QN23   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.918 Mean :1.925 Mean :1.898 Mean :1.894   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :292 NA's :728 NA's :5123 NA's :5444   
## QN24 QN25 QN26 QN27 QN28   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.00 Median :2.000 Median :2.000   
## Mean :1.809 Mean :1.853 Mean :1.69 Mean :1.818 Mean :1.846   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :176 NA's :159 NA's :169 NA's :190 NA's :483   
## QN29 QN30 QN31 QN32 QN33   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.904 Mean :1.968 Mean :1.663 Mean :1.925 Mean :1.89   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :3057 NA's :3293 NA's :1825 NA's :805 NA's :635   
## QN34 QN35 QN36 QN37   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.00 Median :2.000 Median :2.000   
## Mean :1.914 Mean :1.87 Mean :1.529 Mean :1.926   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :14013 NA's :14426 NA's :14298 NA's :478   
## QN38 QN39 QN40 QN41 QN42   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.00 Median :2.000 Median :1.000 Median :2.000   
## Mean :1.896 Mean :1.53 Mean :1.745 Mean :1.359 Mean :1.815   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :439 NA's :533 NA's :306 NA's :575 NA's :367   
## QN43 QN44 QN45 QN46 QN47   
## Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.00 Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.67 Mean :1.818 Mean :1.954 Mean :1.564 Mean :1.601   
## 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1510 NA's :657 NA's :4027 NA's :11188 NA's :467   
## QN48 QN49 QN50 QN51 QN52   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.912 Mean :1.78 Mean :1.941 Mean :1.925 Mean :1.976   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :426 NA's :374 NA's :192 NA's :466 NA's :200   
## QN53 QN54 QN55 QN56   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.966 Mean :1.944 Mean :1.899 Mean :1.961   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :735 NA's :227 NA's :174 NA's :459   
## QN57 QN58 QN59 QN60   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.827 Mean :1.981 Mean :1.764 Mean :1.574   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :257 NA's :838 NA's :828 NA's :1636   
## QN61 QN62 QN63 QN64   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.953 Mean :1.885 Mean :1.691 Mean :1.783   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1692 NA's :1714 NA's :1714 NA's :11464   
## QN65 QN66 QN67 QN68   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :2.000 Median :1.000 Median :2.000   
## Mean :1.444 Mean :1.825 Mean :1.447 Mean :1.915   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :11428 NA's :11553 NA's :1229 NA's :921   
## QN69 QN70 QN71 QN72   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.673 Mean :1.518 Mean :1.762 Mean :1.893   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :304 NA's :1780 NA's :263 NA's :290   
## QN73 QN74 QN75 QN76   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :1.000 Median :2.000   
## Mean :1.598 Mean :1.666 Mean :1.478 Mean :1.797   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :315 NA's :291 NA's :310 NA's :319   
## QN77 QN78 QN79 QN80   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.756 Mean :1.786 Mean :1.859 Mean :1.537   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :332 NA's :2409 NA's :1768 NA's :379   
## QN81 QN82 QN83 QN84 QN85   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.00 Median :1.000 Median :1.000 Median :2.000   
## Mean :1.734 Mean :1.57 Mean :1.476 Mean :1.465 Mean :1.898   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :500 NA's :446 NA's :452 NA's :2502 NA's :728   
## QN86 QN87 QN88 QN89 QN90   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :2.00 Median :2.000 Median :1.000 Median :1.000   
## Mean :1.286 Mean :1.77 Mean :1.719 Mean :1.301 Mean :1.098   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :769 NA's :1612 NA's :1090 NA's :855 NA's :12974   
## QN91 QN92 QN93 QN94   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.933 Mean :1.599 Mean :1.964 Mean :1.844   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4212 NA's :4319 NA's :4274 NA's :4375   
## QN95 QN96 QN97 QN98   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :2.000 Median :1.000 Median :2.000   
## Mean :1.474 Mean :1.932 Mean :1.482 Mean :1.685   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4304 NA's :4427 NA's :4439 NA's :4507   
## QN99 site qnfrcig qndaycig   
## Min. :1.000 Length:15624 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 Class :character 1st Qu.:2.000 1st Qu.:2.000   
## Median :1.000 Mode :character Median :2.000 Median :2.000   
## Mean :1.019 Mean :1.967 Mean :1.976   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4411 NA's :635 NA's :635   
## qncigint qntob4 qntob3 qntob2   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.987 Mean :1.672 Mean :1.814 Mean :1.841   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :14426 NA's :592 NA's :741 NA's :758   
## qnnotob4 qnnotob3 qnnotob2 qniudimp   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :1.000 Median :1.000 Median :2.000   
## Mean :1.302 Mean :1.169 Mean :1.145 Mean :1.969   
## 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1138 NA's :1055 NA's :1003 NA's :11553   
## qnshparg qnothhpl qndualbc qnbcnone   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.951 Mean :1.745 Mean :1.919 Mean :1.85   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :11553 NA's :11553 NA's :11580 NA's :11553   
## qnfr0 qnfr1 qnfr2 qnfr3 qnveg0   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :1.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.944 Mean :1.38 Mean :1.688 Mean :1.797 Mean :1.926   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :323 NA's :323 NA's :323 NA's :323 NA's :445   
## qnveg1 qnveg2 qnveg3 qnsoda1   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :1.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.404 Mean :1.728 Mean :1.851 Mean :1.777   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :445 NA's :445 NA's :445 NA's :332   
## qnsoda2 qnsoda3 qnmilk1 qnmilk2 qnmilk3   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.0   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.0   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.0   
## Mean :1.853 Mean :1.917 Mean :1.632 Mean :1.782 Mean :1.9   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.0   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.0   
## NA's :332 NA's :332 NA's :2409 NA's :2409 NA's :2409   
## qnbk7day qnpa0day qnpa7day qndlype qnspdrk1   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.654 Mean :1.846 Mean :1.745 Mean :1.694 Mean :1.85   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :1768 NA's :379 NA's :379 NA's :452 NA's :4319   
## qnspdrk2 qnspdrk3 qnwater1 qnwater2   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :1.000 Median :1.000   
## Mean :1.907 Mean :1.946 Mean :1.277 Mean :1.362   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4319 NA's :4319 NA's :4274 NA's :4274   
## qnwater3 qnobese qnowt weight   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. : 0.0450   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.: 0.3377   
## Median :2.000 Median :2.000 Median :2.000 Median : 0.6636   
## Mean :1.506 Mean :1.849 Mean :1.835 Mean : 1.0000   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.: 1.2072   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :10.6781   
## NA's :4274 NA's :1266 NA's :1266   
## stratum psu bmipct raceeth   
## Min. :101.0 Min. : 10530 Min. : 0.00 Min. :1.00   
## 1st Qu.:103.0 1st Qu.: 60730 1st Qu.:42.17 1st Qu.:5.00   
## Median :202.0 Median :240010 Median :69.91 Median :5.00   
## Mean :173.7 Mean :230448 Mean :63.97 Mean :5.27   
## 3rd Qu.:212.0 3rd Qu.:361130 3rd Qu.:89.68 3rd Qu.:6.00   
## Max. :214.0 Max. :540390 Max. :99.95 Max. :8.00   
## NA's :1266 NA's :358   
## q6orig q7orig   
## Min. : 0.0 Min. : 0   
## 1st Qu.:503.0 1st Qu.:122   
## Median :506.0 Median :140   
## Mean :512.9 Mean :150   
## 3rd Qu.:509.0 3rd Qu.:168   
## Max. :711.0 Max. :399   
## NA's :539 NA's :892

# Importing .dat files into R for YRBS 2013

raw2013YRBS <- read\_sav("C:/Users/acrom/Google Drive/ASU Files/ASU WORK PRODUCT\_CONHI Program/ASU-NUR CE Prep/YRBS Datasets/ADC Dissertation-YRBS Data Sets/2013YRBS-SPSS.sav")  
View(raw2013YRBS)

# Print Head and Summary of 2013 YRBS Data Frame

print("Top 6 Entries of data frame:")

## [1] "Top 6 Entries of data frame:"

head(raw2013YRBS)

## # A tibble: 6 × 213  
## Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10   
## <dbl+lbl> <dbl+l> <dbl+l> <dbl+l> <chr> <dbl> <dbl> <dbl+l> <dbl+l> <dbl+l>  
## 1 3 [14 years… 1 [Fem… 1 [9th… 2 [No] " C" NA NA 2 [Nev… 5 [Alw… 5 [6 o…  
## 2 3 [14 years… 1 [Fem… 1 [9th… 2 [No] " C" NA NA 2 [Nev… 2 [Rar… 1 [0 t…  
## 3 4 [15 years… 1 [Fem… 1 [9th… 1 [Yes] " … 1.73 84.4 2 [Nev… 1 [Nev… 5 [6 o…  
## 4 4 [15 years… 1 [Fem… 1 [9th… 2 [No] " C" 1.6 55.8 2 [Nev… 3 [Som… 1 [0 t…  
## 5 4 [15 years… 1 [Fem… 1 [9th… 2 [No] " C" 1.5 46.7 1 [Did… 5 [Alw… 1 [0 t…  
## 6 4 [15 years… 1 [Fem… 1 [9th… 2 [No] " C" 1.57 67.1 1 [Did… 5 [Alw… 2 [1 t…  
## # ℹ 203 more variables: Q11 <dbl+lbl>, Q12 <dbl+lbl>, Q13 <dbl+lbl>,  
## # Q14 <dbl+lbl>, Q15 <dbl+lbl>, Q16 <dbl+lbl>, Q17 <dbl+lbl>, Q18 <dbl+lbl>,  
## # Q19 <dbl+lbl>, Q20 <dbl+lbl>, Q21 <dbl+lbl>, Q22 <dbl+lbl>, Q23 <dbl+lbl>,  
## # Q24 <dbl+lbl>, Q25 <dbl+lbl>, Q26 <dbl+lbl>, Q27 <dbl+lbl>, Q28 <dbl+lbl>,  
## # Q29 <dbl+lbl>, Q30 <dbl+lbl>, Q31 <dbl+lbl>, Q32 <dbl+lbl>, Q33 <dbl+lbl>,  
## # Q34 <dbl+lbl>, Q35 <dbl+lbl>, Q36 <dbl+lbl>, Q37 <dbl+lbl>, Q38 <dbl+lbl>,  
## # Q39 <dbl+lbl>, Q40 <dbl+lbl>, Q41 <dbl+lbl>, Q42 <dbl+lbl>, …

print("summary:")

## [1] "summary:"

summary(raw2013YRBS)

## Q1 Q2 Q3 Q4   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:4.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :5.000 Median :2.000 Median :3.000 Median :2.000   
## Mean :5.157 Mean :1.512 Mean :2.502 Mean :1.744   
## 3rd Qu.:6.000 3rd Qu.:2.000 3rd Qu.:4.000 3rd Qu.:2.000   
## Max. :7.000 Max. :2.000 Max. :5.000 Max. :2.000   
## NA's :77 NA's :12 NA's :79 NA's :231   
## Q5 Q6 Q7 Q8   
## Length:13583 Min. :1.270 Min. : 29.94 Min. :1.000   
## Class :character 1st Qu.:1.600 1st Qu.: 56.25 1st Qu.:1.000   
## Mode :character Median :1.680 Median : 64.41 Median :2.000   
## Mean :1.691 Mean : 67.91 Mean :1.949   
## 3rd Qu.:1.780 3rd Qu.: 76.20 3rd Qu.:2.000   
## Max. :2.110 Max. :180.99 Max. :6.000   
## NA's :1004 NA's :1004 NA's :311   
## Q9 Q10 Q11 Q12   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:4.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :5.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :4.245 Mean :1.463 Mean :1.748 Mean :2.485   
## 3rd Qu.:5.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:3.000   
## Max. :5.000 Max. :5.000 Max. :6.000 Max. :8.000   
## NA's :24 NA's :38 NA's :1088 NA's :918   
## Q13 Q14 Q15 Q16 Q17   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.00 Median :1.000 Median :1.000   
## Mean :1.487 Mean :1.138 Mean :1.13 Mean :1.143 Mean :1.194   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.00 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :5.000 Max. :5.000 Max. :5.00 Max. :5.000 Max. :8.000   
## NA's :331 NA's :275 NA's :229 NA's :29 NA's :28   
## Q18 Q19 Q20 Q21   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :1.000 Median :1.000 Median :2.000   
## Mean :1.607 Mean :1.056 Mean :1.172 Mean :1.924   
## 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:2.000   
## Max. :8.000 Max. :5.000 Max. :8.000 Max. :2.000   
## NA's :251 NA's :201 NA's :231 NA's :76   
## Q22 Q23 Q24 Q25   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.929 Mean :1.926 Mean :1.814 Mean :1.861   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :6.000 Max. :6.000 Max. :2.000 Max. :2.000   
## NA's :441 NA's :468 NA's :68 NA's :82   
## Q26 Q27 Q28 Q29 Q30   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :1.00 Median :1.000   
## Mean :1.697 Mean :1.833 Mean :1.861 Mean :1.15 Mean :1.143   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.00 3rd Qu.:1.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :5.00 Max. :3.000   
## NA's :88 NA's :92 NA's :98 NA's :1601 NA's :1833   
## Q31 Q32 Q33 Q34 Q35   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.00   
## Median :2.000 Median :1.000 Median :1.000 Median :1.00 Median :1.00   
## Mean :1.594 Mean :2.161 Mean :1.477 Mean :1.38 Mean :1.48   
## 3rd Qu.:2.000 3rd Qu.:3.000 3rd Qu.:1.000 3rd Qu.:1.00 3rd Qu.:1.00   
## Max. :2.000 Max. :7.000 Max. :7.000 Max. :7.00 Max. :8.00   
## NA's :380 NA's :688 NA's :561 NA's :919 NA's :1009   
## Q36 Q37 Q38 Q39 Q40   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :2.00 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.102 Mean :1.92 Mean :1.337 Mean :1.263 Mean :1.308   
## 3rd Qu.:1.000 3rd Qu.:2.00 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :7.000 Max. :2.00 Max. :3.000 Max. :7.000 Max. :7.000   
## NA's :541 NA's :642 NA's :899 NA's :238 NA's :241   
## Q41 Q42 Q43 Q44   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :4.000 Median :1.000 Median :1.000   
## Mean :2.954 Mean :3.538 Mean :1.688 Mean :1.461   
## 3rd Qu.:4.000 3rd Qu.:5.000 3rd Qu.:2.000 3rd Qu.:1.000   
## Max. :7.000 Max. :7.000 Max. :7.000 Max. :7.000   
## NA's :479 NA's :275 NA's :1295 NA's :523   
## Q45 Q46 Q47 Q48 Q49   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.00 Median :1.000   
## Mean :2.178 Mean :2.786 Mean :2.548 Mean :2.83 Mean :1.667   
## 3rd Qu.:2.000 3rd Qu.:6.000 3rd Qu.:4.000 3rd Qu.:5.00 3rd Qu.:2.000   
## Max. :8.000 Max. :8.000 Max. :7.000 Max. :7.00 Max. :6.000   
## NA's :1220 NA's :1264 NA's :339 NA's :280 NA's :269   
## Q50 Q51 Q52 Q53   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.133 Mean :1.185 Mean :1.068 Mean :1.086   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.000   
## Max. :6.000 Max. :6.000 Max. :6.000 Max. :6.000   
## NA's :126 NA's :214 NA's :328 NA's :226   
## Q54 Q55 Q56 Q57 Q58   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :1.000 Median :1.00 Median :1.000 Median :2.000   
## Mean :1.151 Mean :1.087 Mean :1.42 Mean :1.029 Mean :1.766   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:1.00 3rd Qu.:1.000 3rd Qu.:2.000   
## Max. :6.000 Max. :6.000 Max. :6.00 Max. :3.000 Max. :2.000   
## NA's :229 NA's :129 NA's :140 NA's :226 NA's :163   
## Q59 Q60 Q61 Q62   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.503 Mean :3.197 Mean :2.449 Mean :2.069   
## 3rd Qu.:2.000 3rd Qu.:6.000 3rd Qu.:3.000 3rd Qu.:3.000   
## Max. :2.000 Max. :8.000 Max. :7.000 Max. :8.000   
## NA's :669 NA's :686 NA's :725 NA's :707   
## Q63 Q64 Q65 Q66   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:3.000   
## Median :1.000 Median :1.000 Median :1.000 Median :3.000   
## Mean :1.895 Mean :1.678 Mean :2.507 Mean :3.183   
## 3rd Qu.:3.000 3rd Qu.:2.000 3rd Qu.:4.000 3rd Qu.:4.000   
## Max. :3.000 Max. :3.000 Max. :8.000 Max. :5.000   
## NA's :734 NA's :822 NA's :995 NA's :242   
## Q67 Q68 Q69 Q70 Q71   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :2.048 Mean :1.867 Mean :1.949 Mean :1.958 Mean :2.86   
## 3rd Qu.:3.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:4.00   
## Max. :4.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :7.00   
## NA's :259 NA's :226 NA's :247 NA's :299 NA's :217   
## Q72 Q73 Q74 Q75   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :3.000 Median :2.000 Median :2.000 Median :1.000   
## Mean :3.232 Mean :2.073 Mean :2.061 Mean :1.749   
## 3rd Qu.:4.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :7.000 Max. :7.000 Max. :7.000 Max. :7.000   
## NA's :224 NA's :244 NA's :234 NA's :237   
## Q76 Q77 Q78 Q79   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:3.000   
## Median :2.000 Median :2.000 Median :3.000 Median :5.000   
## Mean :2.709 Mean :2.884 Mean :3.131 Mean :5.157   
## 3rd Qu.:3.000 3rd Qu.:4.000 3rd Qu.:4.000 3rd Qu.:8.000   
## Max. :7.000 Max. :7.000 Max. :7.000 Max. :8.000   
## NA's :250 NA's :259 NA's :303 NA's :260   
## Q80 Q81 Q82 Q83   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:3.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :5.000 Median :4.000 Median :4.000 Median :1.000   
## Mean :4.903 Mean :3.805 Mean :4.066 Mean :2.986   
## 3rd Qu.:8.000 3rd Qu.:5.000 3rd Qu.:6.000 3rd Qu.:6.000   
## Max. :8.000 Max. :7.000 Max. :7.000 Max. :6.000   
## NA's :273 NA's :338 NA's :328 NA's :355   
## Q84 Q85 Q86 Q87 Q88   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.00   
## Median :2.000 Median :1.000 Median :2.000 Median :1.000 Median :4.00   
## Mean :1.919 Mean :1.196 Mean :1.833 Mean :1.146 Mean :3.95   
## 3rd Qu.:3.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:6.00   
## Max. :4.000 Max. :3.000 Max. :3.000 Max. :6.000 Max. :8.00   
## NA's :388 NA's :360 NA's :347 NA's :1063 NA's :1176   
## Q89 Q90 Q91 Q92   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:3.000   
## Median :2.000 Median :2.000 Median :1.000 Median :4.000   
## Mean :1.953 Mean :1.896 Mean :1.269 Mean :3.729   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:5.000   
## Max. :3.000 Max. :5.000 Max. :6.000 Max. :7.000   
## NA's :1087 NA's :872 NA's :994 NA's :1248   
## QN8 QN9 QN10 QN11   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :1.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.118 Mean :1.922 Mean :1.773 Mean :1.903   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :4860 NA's :24 NA's :38 NA's :5725   
## QN12 QN13 QN14 QN15   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.598 Mean :1.829 Mean :1.945 Mean :1.953   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :5564 NA's :331 NA's :275 NA's :229   
## QN16 QN17 QN18 QN19   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.922 Mean :1.926 Mean :1.728 Mean :1.965   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :29 NA's :28 NA's :251 NA's :201   
## QN20 QN21 QN22 QN23   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.906 Mean :1.924 Mean :1.893 Mean :1.893   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :231 NA's :76 NA's :3653 NA's :3670   
## QN24 QN25 QN26 QN27   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.814 Mean :1.861 Mean :1.697 Mean :1.833   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :68 NA's :82 NA's :88 NA's :92   
## QN28 QN29 QN30 QN31   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.861 Mean :1.915 Mean :1.972 Mean :1.594   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :98 NA's :1601 NA's :1833 NA's :380   
## QN32 QN33 QN34 QN35   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.00 Median :2.000   
## Mean :1.914 Mean :1.855 Mean :1.92 Mean :1.826   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :688 NA's :561 NA's :11774 NA's :12239   
## QN36 QN37 QN38 QN39 QN40   
## Min. :1.000 Min. :1.00 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:1.00 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.00 Median :1.00 Median :2.000 Median :2.000   
## Mean :1.964 Mean :1.92 Mean :1.49 Mean :1.924 Mean :1.874   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :541 NA's :642 NA's :11815 NA's :238 NA's :241   
## QN41 QN42 QN43 QN44   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.323 Mean :1.803 Mean :1.644 Mean :1.799   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :479 NA's :275 NA's :1295 NA's :523   
## QN45 QN46 QN47 QN48 QN49   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.945 Mean :1.59 Mean :1.563 Mean :1.908 Mean :1.747   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1220 NA's :9344 NA's :339 NA's :280 NA's :269   
## QN50 QN51 QN52 QN53 QN54   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.944 Mean :1.912 Mean :1.977 Mean :1.969 Mean :1.93   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :126 NA's :214 NA's :328 NA's :226 NA's :229   
## QN55 QN56 QN57 QN58   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.969 Mean :1.825 Mean :1.982 Mean :1.766   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :129 NA's :140 NA's :226 NA's :163   
## QN59 QN60 QN61 QN62   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.503 Mean :1.931 Mean :1.832 Mean :1.637   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :669 NA's :686 NA's :725 NA's :707   
## QN63 QN64 QN65 QN66   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :1.000 Median :2.000 Median :2.000   
## Mean :1.776 Mean :1.407 Mean :1.832 Mean :1.696   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :8948 NA's :9018 NA's :9129 NA's :242   
## QN67 QN68 QN69 QN70   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.531 Mean :1.867 Mean :1.949 Mean :1.958   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :259 NA's :226 NA's :247 NA's :299   
## QN71 QN72 QN73 QN74   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :1.000   
## Mean :1.221 Mean :1.112 Mean :1.397 Mean :1.341   
## 3rd Qu.:1.000 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :217 NA's :224 NA's :244 NA's :234   
## QN75 QN76 QN77 QN78 QN79   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :1.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.546 Mean :1.19 Mean :1.731 Mean :1.884 Mean :1.634   
## 3rd Qu.:2.000 3rd Qu.:1.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :237 NA's :250 NA's :259 NA's :303 NA's :260   
## QN80 QN81 QN82 QN83   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.535 Mean :1.639 Mean :1.572 Mean :1.526   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :273 NA's :338 NA's :328 NA's :355   
## QN84 QN85 QN86 QN87 QN88   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.00   
## Median :1.000 Median :1.00 Median :2.000 Median :2.000 Median :1.00   
## Mean :1.466 Mean :1.15 Mean :1.786 Mean :1.928 Mean :1.48   
## 3rd Qu.:2.000 3rd Qu.:1.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :388 NA's :360 NA's :347 NA's :1063 NA's :1176   
## QN89 QN90 QN91 QN92   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.853 Mean :1.906 Mean :1.897 Mean :1.694   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1087 NA's :872 NA's :994 NA's :1248   
## site qnfrcig qnanytob qnothh   
## Length:13583 Min. :1.00 Min. :1.000 Min. :1.000   
## Class :character 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000   
## Mode :character Median :2.00 Median :2.000 Median :2.000   
## Mean :1.95 Mean :1.792 Mean :1.933   
## 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :561 NA's :759 NA's :9129   
## qnothhpl qndualbc qnbcnone qnfrvg qnfruit   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.764 Mean :1.92 Mean :1.855 Mean :1.758 Mean :1.649   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :9129 NA's :9146 NA's :9129 NA's :407 NA's :261   
## qnfr0 qnfr1 qnfr3 qnveg qnveg0   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :1.000 Median :2.00 Median :2.000 Median :2.000   
## Mean :1.948 Mean :1.365 Mean :1.76 Mean :1.837 Mean :1.929   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :261 NA's :261 NA's :261 NA's :356 NA's :356   
## qnveg1 qnveg2 qnfrvg2 qnsoda0 qnsoda2   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000   
## Median :1.000 Median :2.000 Median :2.00 Median :2.000 Median :2.000   
## Mean :1.393 Mean :1.714 Mean :1.88 Mean :1.778 Mean :1.806   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :356 NA's :356 NA's :407 NA's :259 NA's :259   
## qnsoda3 qnmilk0 qnmilk1 qnmilk2 qnnobkft   
## Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.00 Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.88 Mean :1.788 Mean :1.617 Mean :1.757 Mean :1.854   
## 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :259 NA's :303 NA's :303 NA's :303 NA's :260   
## qndlype qnpa0day qnpa7day qnowt   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.698 Mean :1.837 Mean :1.728 Mean :1.836   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :355 NA's :273 NA's :273 NA's :1004   
## qnobese weight stratum psu   
## Min. :1.000 Min. :0.0286 Min. :101 Min. : 10970   
## 1st Qu.:2.000 1st Qu.:0.4470 1st Qu.:103 1st Qu.: 60890   
## Median :2.000 Median :0.7927 Median :113 Median :181470   
## Mean :1.858 Mean :1.0000 Mean :154 Mean :219788   
## 3rd Qu.:2.000 3rd Qu.:1.2222 3rd Qu.:211 3rd Qu.:290770   
## Max. :2.000 Max. :9.2349 Max. :214 Max. :530330   
## NA's :1004   
## bmipct raceeth q6orig q7orig   
## Min. : 0.00 Min. :1.000 Min. : 0.0 Min. : 0.0   
## 1st Qu.:42.53 1st Qu.:3.000 1st Qu.:503.0 1st Qu.:124.0   
## Median :69.16 Median :5.000 Median :506.0 Median :142.0   
## Mean :63.51 Mean :4.926 Mean :514.2 Mean :149.9   
## 3rd Qu.:88.95 3rd Qu.:6.000 3rd Qu.:510.0 3rd Qu.:168.0   
## Max. :99.95 Max. :8.000 Max. :712.0 Max. :399.0   
## NA's :1004 NA's :318 NA's :508 NA's :689

# Importing .dat files into R for YRBS 2011

raw2011YRBS <- read\_sav("C:/Users/acrom/Google Drive/ASU Files/ASU WORK PRODUCT\_CONHI Program/ASU-NUR CE Prep/YRBS Datasets/ADC Dissertation-YRBS Data Sets/2011YRBS-SPSS.sav")  
View(raw2011YRBS)

# Print Head and Summary of 2011 YRBS Data Frame

print("Top 6 Entries of data frame:")

## [1] "Top 6 Entries of data frame:"

head(raw2011YRBS)

## # A tibble: 6 × 207  
## Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10   
## <chr+lbl> <chr+l> <chr+l> <chr+> <chr> <dbl> <dbl> <chr+l> <chr+l> <chr+l>  
## 1 3 [14 years … 1 [Fem… 1 [9th… 2 [No] " … 1.68 52.2 1 [Did… 4 [Mos… 5 [6 o…  
## 2 3 [14 years … 1 [Fem… 1 [9th… 2 [No] " C" 1.63 49.9 1 [Did… 3 [Som… 1 [0 t…  
## 3 4 [15 years … 1 [Fem… 1 [9th… 2 [No] " C" 1.63 60.3 2 [Nev… 4 [Mos… 1 [0 t…  
## 4 5 [16 years … 1 [Fem… 1 [9th… 2 [No] " … 1.6 108. 2 [Nev… 3 [Som… 1 [0 t…  
## 5 4 [15 years … 2 [Mal… 1 [9th… 2 [No] " … 1.85 65.8 1 [Did… 5 [Alw… 1 [0 t…  
## 6 4 [15 years … 2 [Mal… 1 [9th… 2 [No] " … 1.88 68.0 2 [Nev… 4 [Mos… 1 [0 t…  
## # ℹ 197 more variables: Q11 <chr+lbl>, Q12 <chr+lbl>, Q13 <chr+lbl>,  
## # Q14 <chr+lbl>, Q15 <chr+lbl>, Q16 <chr+lbl>, Q17 <chr+lbl>, Q18 <chr+lbl>,  
## # Q19 <chr+lbl>, Q20 <chr+lbl>, Q21 <chr+lbl>, Q22 <chr+lbl>, Q23 <chr+lbl>,  
## # Q24 <chr+lbl>, Q25 <chr+lbl>, Q26 <chr+lbl>, Q27 <chr+lbl>, Q28 <chr+lbl>,  
## # Q29 <chr+lbl>, Q30 <chr+lbl>, Q31 <chr+lbl>, Q32 <chr+lbl>, Q33 <chr+lbl>,  
## # Q34 <chr+lbl>, Q35 <chr+lbl>, Q36 <chr+lbl>, Q37 <chr+lbl>, Q38 <chr+lbl>,  
## # Q39 <chr+lbl>, Q40 <chr+lbl>, Q41 <chr+lbl>, Q42 <chr+lbl>, …

print("summary:")

## [1] "summary:"

summary(raw2011YRBS)

## Q1 Q2 Q3 Q4   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q5 Q6 Q7 Q8   
## Length:15425 Min. :1.27 Min. : 28.58 Length:15425   
## Class :character 1st Qu.:1.60 1st Qu.: 55.34 Class :character   
## Mode :character Median :1.68 Median : 63.50 Mode :character   
## Mean :1.69 Mean : 67.47   
## 3rd Qu.:1.75 3rd Qu.: 74.84   
## Max. :2.11 Max. :180.99   
## NA's :1140 NA's :1140   
## Q9 Q10 Q11 Q12   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q13 Q14 Q15 Q16   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q17 Q18 Q19 Q20   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q21 Q22 Q23 Q24   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q25 Q26 Q27 Q28   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q29 Q30 Q31 Q32   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q33 Q34 Q35 Q36   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q37 Q38 Q39 Q40   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q41 Q42 Q43 Q44   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q45 Q46 Q47 Q48   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q49 Q50 Q51 Q52   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q53 Q54 Q55 Q56   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q57 Q58 Q59 Q60   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q61 Q62 Q63 Q64   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q65 Q66 Q67 Q68   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q69 Q70 Q71 Q72   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q73 Q74 Q75 Q76   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q77 Q78 Q79 Q80   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q81 Q82 Q83 Q84   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q85 Q86 Q87 Q88   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q89 Q90 Q91 Q92   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q93 Q94 Q95 Q96   
## Length:15425 Length:15425 Length:15425 Length:15425   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q97 QN8 QN9 QN10   
## Length:15425 Min. :1.000 Min. :1.000 Min. :1.000   
## Class :character 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000   
## Mode :character Median :1.000 Median :2.000 Median :2.000   
## Mean :1.114 Mean :1.914 Mean :1.745   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :5899 NA's :485 NA's :517   
## QN11 QN12 QN13 QN14   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.917 Mean :1.837 Mean :1.948 Mean :1.949   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :335 NA's :401 NA's :918 NA's :499   
## QN15 QN16 QN17 QN18   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.933 Mean :1.924 Mean :1.667 Mean :1.957   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :105 NA's :81 NA's :319 NA's :855   
## QN19 QN20 QN21 QN22 QN23   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.00 Median :2.000   
## Mean :1.877 Mean :1.895 Mean :1.916 Mean :1.82 Mean :1.851   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :243 NA's :155 NA's :226 NA's :730 NA's :1548   
## QN24 QN25 QN26 QN27   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.703 Mean :1.841 Mean :1.868 Mean :1.913   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :156 NA's :132 NA's :147 NA's :1911   
## QN28 QN29 QN30 QN31 QN32   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.973 Mean :1.54 Mean :1.897 Mean :1.828 Mean :1.924   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :2466 NA's :2066 NA's :580 NA's :682 NA's :13035   
## QN33 QN34 QN35 QN36   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.855 Mean :1.953 Mean :1.906 Mean :1.503   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :13590 NA's :937 NA's :1485 NA's :12997   
## QN37 QN38 QN39 QN40 QN41   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :1.00 Median :2.000   
## Mean :1.933 Mean :1.958 Mean :1.868 Mean :1.29 Mean :1.787   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :458 NA's :1513 NA's :859 NA's :1257 NA's :331   
## QN42 QN43 QN44 QN45 QN46   
## Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.00 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.00 Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.61 Mean :1.782 Mean :1.596 Mean :1.942 Mean :1.583   
## 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1482 NA's :469 NA's :10433 NA's :392 NA's :500   
## QN47 QN48 QN49 QN50 QN51   
## Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.00 Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.91 Mean :1.764 Mean :1.935 Mean :1.928 Mean :1.967   
## 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :394 NA's :455 NA's :787 NA's :287 NA's :990   
## QN52 QN53 QN54 QN55   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.885 Mean :1.971 Mean :1.962 Mean :1.914   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :869 NA's :1356 NA's :492 NA's :1155   
## QN56 QN57 QN58 QN59   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.963 Mean :1.803 Mean :1.976 Mean :1.723   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :601 NA's :1414 NA's :1363 NA's :279   
## QN60 QN61 QN62 QN63 QN64   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.00 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :2.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.495 Mean :1.93 Mean :1.835 Mean :1.639 Mean :1.782   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1081 NA's :1090 NA's :1141 NA's :1129 NA's :10315   
## QN65 QN66 QN67 QN68 QN69   
## Min. :1.000 Min. :1.000 Min. :1.0 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.0 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :2.000 Median :2.0 Median :2.000 Median :2.000   
## Mean :1.398 Mean :1.843 Mean :1.7 Mean :1.531 Mean :1.873   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.0 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.0 Max. :2.000 Max. :2.000   
## NA's :10390 NA's :10503 NA's :285 NA's :241 NA's :357   
## QN70 QN71 QN72 QN73 QN74   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :1.00 Median :1.000 Median :1.000   
## Mean :1.945 Mean :1.953 Mean :1.19 Mean :1.127 Mean :1.402   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.00 3rd Qu.:1.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000   
## NA's :289 NA's :324 NA's :677 NA's :726 NA's :664   
## QN75 QN76 QN77 QN78 QN79   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000   
## Median :1.000 Median :2.000 Median :1.000 Median :2.00 Median :2.000   
## Mean :1.333 Mean :1.539 Mean :1.191 Mean :1.72 Mean :1.536   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :913 NA's :914 NA's :701 NA's :1121 NA's :377   
## QN80 QN81 QN82 QN83 QN84   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :1.00 Median :1.000   
## Mean :1.643 Mean :1.671 Mean :1.501 Mean :1.45 Mean :1.167   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:1.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :415 NA's :428 NA's :529 NA's :534 NA's :928   
## QN85 QN86 QN87 QN88   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.773 Mean :1.886 Mean :1.684 Mean :1.735   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1085 NA's :1239 NA's :2633 NA's :3016   
## QN89 QN90 QN91 QN92   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :1.000   
## Mean :1.918 Mean :1.864 Mean :1.635 Mean :1.454   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :3995 NA's :3087 NA's :3410 NA's :3872   
## QN93 QN94 QN95 QN96 QN97   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.00 Median :2.000   
## Mean :1.851 Mean :1.905 Mean :1.888 Mean :1.69 Mean :1.709   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :4095 NA's :3685 NA's :4154 NA's :3227 NA's :3524   
## site qnfrcig qnanytob qndepo   
## Length:15425 Min. :1.000 Min. :1.000 Min. :1.000   
## Class :character 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Mode :character Median :2.000 Median :2.000 Median :2.000   
## Mean :1.944 Mean :1.778 Mean :1.944   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :682 NA's :1535 NA's :10503   
## qndepopl qndual qnfrvg qnfrvg2 qnfruit   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.00 Median :2.000   
## Mean :1.787 Mean :1.917 Mean :1.771 Mean :1.89 Mean :1.665   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :10503 NA's :10527 NA's :1108 NA's :1108 NA's :771   
## qnveg qndlype qnpa0day qnpa7day qnowt   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.00 Median :2.000   
## Mean :1.848 Mean :1.708 Mean :1.847 Mean :1.73 Mean :1.842   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.000   
## NA's :984 NA's :529 NA's :377 NA's :377 NA's :1140   
## qnobese weight stratum psu   
## Min. :1.000 Min. : 0.0529 Min. :101.0 Min. : 10810   
## 1st Qu.:2.000 1st Qu.: 0.4155 1st Qu.:103.0 1st Qu.:100010   
## Median :2.000 Median : 0.7990 Median :201.0 Median :201770   
## Mean :1.863 Mean : 1.0000 Mean :158.9 Mean :251655   
## 3rd Qu.:2.000 3rd Qu.: 1.3600 3rd Qu.:211.0 3rd Qu.:421010   
## Max. :2.000 Max. :10.4435 Max. :214.0 Max. :551270   
## NA's :1140   
## bmipct raceeth   
## Min. : 0.00 Length:15425   
## 1st Qu.:41.48 Class :character   
## Median :68.28 Mode :character   
## Mean :63.00   
## 3rd Qu.:88.31   
## Max. :99.96   
## NA's :1140

# Importing .dat files into R for YRBS 2009

raw2009YRBS <- read\_sav("C:/Users/acrom/Google Drive/ASU Files/ASU WORK PRODUCT\_CONHI Program/ASU-NUR CE Prep/YRBS Datasets/ADC Dissertation-YRBS Data Sets/2009YRBS-SPSS.sav")  
View(raw2009YRBS)

# Print Head and Summary of 2009 YRBS Data Frame

print("Top 6 Entries of data frame:")

## [1] "Top 6 Entries of data frame:"

head(raw2009YRBS)

## # A tibble: 6 × 208  
## Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10   
## <chr+lbl> <chr+l> <chr+l> <chr+l> <chr> <dbl> <dbl> <chr+l> <chr+l> <chr+l>  
## 1 5 [16 years… 2 [Mal… 3 [11t… 2 [No] " … 1.83 72.6 2 [Nev… 3 [Som… 1 [0 t…  
## 2 7 [18 years… 2 [Mal… 3 [11t… 2 [No] " … 1.8 77.1 1 [Did… 5 [Alw… 1 [0 t…  
## 3 6 [17 years… 2 [Mal… 3 [11t… 2 [No] " … 1.93 95.3 2 [Nev… 2 [Rar… 1 [0 t…  
## 4 6 [17 years… 2 [Mal… 3 [11t… 2 [No] " … 1.73 70.3 1 [Did… 2 [Rar… 1 [0 t…  
## 5 6 [17 years… 2 [Mal… 3 [11t… 1 [Yes] " … 1.83 83.9 2 [Nev… 3 [Som… 1 [0 t…  
## 6 6 [17 years… 2 [Mal… 3 [11t… 2 [No] " … 1.8 87.5 2 [Nev… 3 [Som… 1 [0 t…  
## # ℹ 198 more variables: Q11 <chr+lbl>, Q12 <chr+lbl>, Q13 <chr+lbl>,  
## # Q14 <chr+lbl>, Q15 <chr+lbl>, Q16 <chr+lbl>, Q17 <chr+lbl>, Q18 <chr+lbl>,  
## # Q19 <chr+lbl>, Q20 <chr+lbl>, Q21 <chr+lbl>, Q22 <chr+lbl>, Q23 <chr+lbl>,  
## # Q24 <chr+lbl>, Q25 <chr+lbl>, Q26 <chr+lbl>, Q27 <chr+lbl>, Q28 <chr+lbl>,  
## # Q29 <chr+lbl>, Q30 <chr+lbl>, Q31 <chr+lbl>, Q32 <chr+lbl>, Q33 <chr+lbl>,  
## # Q34 <chr+lbl>, Q35 <chr+lbl>, Q36 <chr+lbl>, Q37 <chr+lbl>, Q38 <chr+lbl>,  
## # Q39 <chr+lbl>, Q40 <chr+lbl>, Q41 <chr+lbl>, Q42 <chr+lbl>, …

print("summary:")

## [1] "summary:"

summary(raw2009YRBS)

## Q1 Q2 Q3 Q4   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q5 Q6 Q7 Q8   
## Length:16410 Min. :1.270 Min. : 32.21 Length:16410   
## Class :character 1st Qu.:1.630 1st Qu.: 56.25 Class :character   
## Mode :character Median :1.680 Median : 63.50 Mode :character   
## Mean :1.692 Mean : 67.58   
## 3rd Qu.:1.750 3rd Qu.: 74.84   
## Max. :2.110 Max. :180.99   
## NA's :1232 NA's :1232   
## Q9 Q10 Q11 Q12   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q13 Q14 Q15 Q16   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q17 Q18 Q19 Q20   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q21 Q22 Q23 Q24   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q25 Q26 Q27 Q28   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q29 Q30 Q31 Q32   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q33 Q34 Q35 Q36   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q37 Q38 Q39 Q40   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q41 Q42 Q43 Q44   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q45 Q46 Q47 Q48   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q49 Q50 Q51 Q52   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q53 Q54 Q55 Q56   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q57 Q58 Q59 Q60   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q61 Q62 Q63 Q64   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q65 Q66 Q67 Q68   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q69 Q70 Q71 Q72   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q73 Q74 Q75 Q76   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q77 Q78 Q79 Q80   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q81 Q82 Q83 Q84   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q85 Q86 Q87 Q88   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q89 Q90 Q91 Q92   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q93 Q94 Q95 Q96   
## Length:16410 Length:16410 Length:16410 Length:16410   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
##   
## Q97 Q98 QN8 QN9   
## Length:16410 Length:16410 Min. :1.00 Min. :1.000   
## Class :character Class :character 1st Qu.:1.00 1st Qu.:2.000   
## Mode :character Mode :character Median :1.00 Median :2.000   
## Mean :1.13 Mean :1.901   
## 3rd Qu.:1.00 3rd Qu.:2.000   
## Max. :2.00 Max. :2.000   
## NA's :5924 NA's :190   
## QN10 QN11 QN12 QN13   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.702 Mean :1.901 Mean :1.832 Mean :1.939   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :63 NA's :289 NA's :300 NA's :746   
## QN14 QN15 QN16 QN17   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.941 Mean :1.942 Mean :1.919 Mean :1.672   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :154 NA's :39 NA's :43 NA's :280   
## QN18 QN19 QN20 QN21 QN22   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.958 Mean :1.881 Mean :1.889 Mean :1.918 Mean :1.81   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :661 NA's :321 NA's :193 NA's :675 NA's :777   
## QN23 QN24 QN25 QN26   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.721 Mean :1.855 Mean :1.884 Mean :1.928   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :178 NA's :190 NA's :197 NA's :1801   
## QN27 QN28 QN29 QN30   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.977 Mean :1.522 Mean :1.887 Mean :1.811   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1896 NA's :522 NA's :671 NA's :648   
## QN31 QN32 QN33 QN34   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.918 Mean :1.861 Mean :1.948 Mean :1.895   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :13470 NA's :14144 NA's :559 NA's :979   
## QN35 QN36 QN37 QN38   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :1.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.496 Mean :1.924 Mean :1.953 Mean :1.861   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :13551 NA's :276 NA's :436 NA's :739   
## QN39 QN40 QN41 QN42 QN43   
## Min. :1.000 Min. :1.000 Min. :1.00 Min. :1.00 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.00 1st Qu.:2.00 1st Qu.:1.000   
## Median :1.000 Median :2.000 Median :2.00 Median :2.00 Median :2.000   
## Mean :1.261 Mean :1.773 Mean :1.58 Mean :1.76 Mean :1.578   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.00 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.00 Max. :2.00 Max. :2.000   
## NA's :457 NA's :203 NA's :1546 NA's :401 NA's :10289   
## QN44 QN45 QN46 QN47   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.947 Mean :1.617 Mean :1.916 Mean :1.791   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :386 NA's :350 NA's :276 NA's :298   
## QN48 QN49 QN50 QN51   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.948 Mean :1.927 Mean :1.968 Mean :1.879   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :324 NA's :206 NA's :853 NA's :117   
## QN52 QN53 QN54 QN55   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.973 Mean :1.956 Mean :1.928 Mean :1.966   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :679 NA's :121 NA's :523 NA's :90   
## QN56 QN57 QN58 QN59 QN60   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.00 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.00 Median :1.000 Median :2.000 Median :2.000   
## Mean :1.977 Mean :1.76 Mean :1.496 Mean :1.932 Mean :1.843   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :270 NA's :149 NA's :1345 NA's :1364 NA's :1423   
## QN61 QN62 QN63 QN64   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :1.000 Median :2.000   
## Mean :1.629 Mean :1.792 Mean :1.404 Mean :1.834   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1393 NA's :10862 NA's :10956 NA's :11050   
## QN65 QN66 QN67 QN68   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :1.000 Median :2.000   
## Mean :1.715 Mean :1.543 Mean :1.387 Mean :1.609   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :287 NA's :259 NA's :301 NA's :311   
## QN69 QN70 QN71 QN72   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000   
## Median :2.000 Median :2.000 Median :2.000 Median :1.000   
## Mean :1.889 Mean :1.947 Mean :1.956 Mean :1.195   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :295 NA's :290 NA's :310 NA's :243   
## QN73 QN74 QN75 QN76   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :1.000 Median :1.000 Median :2.000   
## Mean :1.116 Mean :1.389 Mean :1.336 Mean :1.538   
## 3rd Qu.:1.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :178 NA's :190 NA's :186 NA's :187   
## QN77 QN78 QN79 QN80 QN81   
## Min. :1.000 Min. :1.0 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.0 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:1.000   
## Median :1.000 Median :2.0 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.188 Mean :1.7 Mean :1.871 Mean :1.651 Mean :1.637   
## 3rd Qu.:1.000 3rd Qu.:2.0 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.0 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :195 NA's :222 NA's :236 NA's :301 NA's :284   
## QN82 QN83 QN84 QN85 QN86   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.00 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :1.00 Median :1.000 Median :1.000 Median :2.000   
## Mean :1.747 Mean :1.45 Mean :1.438 Mean :1.138 Mean :1.785   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :286 NA's :832 NA's :848 NA's :301 NA's :321   
## QN87 QN88 QN89 QN90   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.896 Mean :1.633 Mean :1.923 Mean :1.805   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :412 NA's :12613 NA's :1507 NA's :1393   
## QN91 QN92 QN93 QN94   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :1.000 Median :2.000 Median :1.000 Median :2.000   
## Mean :1.342 Mean :1.723 Mean :1.176 Mean :1.857   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:1.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1629 NA's :1783 NA's :7351 NA's :1709   
## QN95 QN96 QN97 QN98   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:1.000 1st Qu.:2.000   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.911 Mean :1.861 Mean :1.685 Mean :1.931   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :1819 NA's :1820 NA's :1628 NA's :1345   
## site qnfrcig qnanytob qnfrvg   
## Length:16410 Min. :1.000 Min. :1.000 Min. :1.000   
## Class :character 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000   
## Mode :character Median :2.000 Median :2.000 Median :2.000   
## Mean :1.934 Mean :1.756 Mean :1.776   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :648 NA's :1413 NA's :353   
## qnfruit qnveg qndlype qnowt qnobese   
## Min. :1.000 Min. :1.00 Min. :1.000 Min. :1.000 Min. :1.000   
## 1st Qu.:1.000 1st Qu.:2.00 1st Qu.:1.000 1st Qu.:2.000 1st Qu.:2.000   
## Median :2.000 Median :2.00 Median :2.000 Median :2.000 Median :2.000   
## Mean :1.661 Mean :1.86 Mean :1.646 Mean :1.835 Mean :1.875   
## 3rd Qu.:2.000 3rd Qu.:2.00 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000   
## Max. :2.000 Max. :2.00 Max. :2.000 Max. :2.000 Max. :2.000   
## NA's :269 NA's :250 NA's :832 NA's :1232 NA's :1232   
## qndepo qndepopl qndual qnpa0day qnpa7day   
## Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.000 Min. :1.00   
## 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.000 1st Qu.:2.00   
## Median :2.000 Median :2.000 Median :2.000 Median :2.000 Median :2.00   
## Mean :1.965 Mean :1.799 Mean :1.926 Mean :1.751 Mean :1.83   
## 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.000 3rd Qu.:2.00   
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.00   
## NA's :11050 NA's :11050 NA's :11081 NA's :301 NA's :301   
## weight stratum psu bmipct   
## Min. : 0.0212 Min. :101.0 Min. : 10490 Min. : 0.00   
## 1st Qu.: 0.4358 1st Qu.:103.0 1st Qu.: 60730 1st Qu.: 43.00   
## Median : 0.7928 Median :201.0 Median :200390 Median : 68.00   
## Mean : 1.0000 Mean :160.8 Mean :245665 Mean : 63.46   
## 3rd Qu.: 1.3375 3rd Qu.:211.0 3rd Qu.:410470 3rd Qu.: 88.00   
## Max. :19.2828 Max. :214.0 Max. :551050 Max. :100.00   
## NA's :1232   
## raceeth   
## Length:16410   
## Class :character   
## Mode :character   
##   
##   
##   
##