

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+lbl> <dbl+lbl> <dbl+lbl> <chr> <dbl> <dbl> <dbl+lbl> <dbl+lbl>  
<dbl+lbl>
```

```
## 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>, Q12 <dbl>, Q13 <dbl>,
## #   Q14 <dbl>, Q15 <dbl>, Q16 <dbl>, Q17 <dbl>, Q18
## #   <dbl>,
## #   Q19 <dbl>, Q20 <dbl>, Q21 <dbl>, Q22 <dbl>, Q23
## #   <dbl>,
## #   Q24 <dbl>, Q25 <dbl>, Q26 <dbl>, Q27 <dbl>, Q28
## #   <dbl>,
## #   Q29 <dbl>, Q30 <dbl>, Q31 <dbl>, Q32 <dbl>, Q33
## #   <dbl>,
## #   Q34 <dbl>, Q35 <dbl>, Q36 <dbl>, Q37 <dbl>, Q38
## #   <dbl>,
## #   Q39 <dbl>, Q40 <dbl>, Q41 <dbl>, Q42 <dbl>, ...
```

```
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. :1.000
## 1st Qu.:1.000	1st Qu.:2.000	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:1.000
## Median :1.000	Median :2.000	Median :1.000	Median :2.000	Median :2.000
## 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.:2.000
## Max. :8.000	Max. :2.000	Max. :5.000	Max. :6.000	Max. :6.000
## 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. :1.000
## 1st Qu.:2.000	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	Median :2.000
## 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.:2.000
## Max. :2.000	Max. :2.000	Max. :2.000	Max. :2.000	Max. :2.000
## 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 :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	Q98	Q99	
## 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.:2.000

## Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median :2.000
## 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. :1.000
##	1st Qu.:1.00	1st Qu.:2.000	1st Qu.:1.000	1st Qu.:2.000	1st Qu.:2.000
##	Median :2.00	Median :2.000	Median :1.000	Median :2.000	Median :2.000
##	Mean :1.73	Mean :1.792	Mean :1.461	Mean :1.773	Mean :1.773
##	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 :1718	NA's :10541	NA's :10536	NA's :10629	NA's :10629
##	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.
## 1st Qu.:1.000	1st Qu.:2.000	1st Qu.:1.00	1st Qu.:1.00	1st
## Median :2.000	Median :2.000	Median :2.00	Median :2.00	Median
## Mean :1.575	Mean :1.797	Mean :1.55	Mean :1.52	Mean
## 3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.00	3rd Qu.:2.00	3rd
## Max. :2.000	Max. :2.000	Max. :2.00	Max. :2.00	Max.
## NA's :457	NA's :881	NA's :500	NA's :2389	NA's
## QN83	QN84	QN85	QN86	QN87
## Min. :1.000	Min. :1.000	Min. :1.00	Min. :1.00	Min.
## 1st Qu.:2.000	1st Qu.:2.000	1st Qu.:2.00	1st Qu.:1.00	1st
## Median :2.000	Median :2.000	Median :2.00	Median :1.00	Median
## Mean :1.848	Mean :1.898	Mean :1.91	Mean :1.25	Mean
## 3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.00	3rd Qu.:2.00	3rd
## Max. :2.000	Max. :2.000	Max. :2.00	Max. :2.00	Max.
## 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
##	Q92		Q93		Q94		Q95	
##	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
##	Q96		Q97		Q98		Q99	
##	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
##	1st Qu.:	2.000	1st Qu.:	2.0	1st Qu.:	2.000	1st Qu.:	1.000
##	Median	:2.000	Median	:2.0	Median	:2.000	Median	:2.000
##	Mean	:1.931	Mean	:1.9	Mean	:1.884	Mean	:1.624
##	3rd Qu.:	2.000	3rd Qu.:	2.0	3rd Qu.:	2.000	3rd Qu.:	2.000
##	Max.	:2.000	Max.	:2.0	Max.	:2.000	Max.	:2.000
##	NA's	:910	NA's	:1927	NA's	:1916	NA's	:1804
##	qniudimp		qnothhpl		qndualbc		qnbcbone	
##	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+lbl> <dbl+lbl> <dbl+lbl> <chr> <dbl> <dbl> <dbl+lbl> <dbl+lbl>
<dbl+lbl>
## 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. :2.000

```

: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 Max.
: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.
##	1st Qu.:	2.000	1st Qu.:	1.000	1st Qu.:	1.00	1st Qu.:	1.000	1st
##	Median	:4.000	Median	:1.000	Median	:2.00	Median	:1.000	Median
##	Mean	:3.997	Mean	:2.897	Mean	:1.93	Mean	:1.263	Mean
##	3rd Qu.:	6.000	3rd Qu.:	6.000	3rd Qu.:	3.00	3rd Qu.:	1.000	3rd
##	Max.	:7.000	Max.	:6.000	Max.	:4.00	Max.	:5.000	Max.
##	NA's	:926	NA's	:614	NA's	:3045	NA's	:628	NA's
##	Q86		Q87		Q88		Q89		Q90

## Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.0	Min.
## 1st Qu.:1.000	1st Qu.:2.000	1st Qu.:3.000	1st Qu.:1.0	1st
## Median :1.000	Median :2.000	Median :4.000	Median :2.0	Median
## Mean :1.541	Mean :1.808	Mean :3.539	Mean :2.1	Mean
## 3rd Qu.:1.000	3rd Qu.:2.000	3rd Qu.:4.000	3rd Qu.:3.0	3rd
## Max. :5.000	Max. :3.000	Max. :7.000	Max. :7.0	Max.
## NA's :564	NA's :940	NA's :2954	NA's :3091	NA's
## 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.
## 1st Qu.:1.000	1st Qu.:2.000	1st Qu.:2.000	1st Qu.:2.000	1st
## Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median
## Mean :1.627	Mean :1.854	Mean :1.958	Mean :1.949	Mean
## 3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd
## 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 :4638

```

: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		
## qnfrfcig	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	qnbcbnone	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+lbl> <dbl+lbl> <dbl+lbl> <chr> <dbl> <dbl> <dbl+lbl> <dbl+lbl>
<dbl+lbl>
```

```
## 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. :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. :1.000	
## 1st Qu.:2.000	1st Qu.:1.00	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:2.000	
## Median :3.000	Median :2.00	Median :2.000	Median :1.000	Median :2.000	
## 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.:3.000	
## Max. :7.000	Max. :7.00	Max. :7.000	Max. :7.000	Max. :7.000	
## 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.
##	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:1.00	1st Qu.:1.000	1st
##	Median :2.000	Median :1.000	Median :1.00	Median :2.000	Median
##	Mean :2.215	Mean :1.289	Mean :1.13	Mean :2.209	Mean
##	3rd Qu.:3.000	3rd Qu.:1.000	3rd Qu.:1.00	3rd Qu.:3.000	3rd
##	Max. :7.000	Max. :6.000	Max. :6.00	Max. :7.000	Max.
##	NA's :855	NA's :4478	NA's :4212	NA's :4319	NA's
##	Q94	Q95	Q96	Q97	Q98
##	Min. :1.000	Min. :1.00	Min. :1.000	Min. :1.000	Min.
##	1st Qu.:2.000	1st Qu.:1.00	1st Qu.:1.000	1st Qu.:1.000	1st
##	Median :2.000	Median :4.00	Median :1.000	Median :2.000	Median
##	Mean :1.951	Mean :3.95	Mean :1.169	Mean :2.319	Mean
##	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	Q98	Q99	Q910	
## 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	
## Q911	Q912	Q913	Q914	
## 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	
## Q915	Q916	Q917	Q918	Q919
## 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
## Q920	Q921	Q922	Q923	
## 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	
## Q924	Q925	Q926	Q927	Q928
## 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
## Max. :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.:1.000
##	Median :2.000	Median :2.00	Median :1.000	Median :1.000	Median :1.000
##	Mean :1.734	Mean :1.57	Mean :1.476	Mean :1.465	Mean :1.465
##	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 :2502
##	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.:1.00	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:1.000
##	Median :2.000	Median :2.00	Median :1.000	Median :1.000	Median :1.000
##	Mean :1.734	Mean :1.57	Mean :1.476	Mean :1.465	Mean :1.465
##	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 :2502
##	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.:1.00	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:1.000
##	Median :2.000	Median :2.00	Median :1.000	Median :1.000	Median :1.000
##	Mean :1.734	Mean :1.57	Mean :1.476	Mean :1.465	Mean :1.465
##	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 :2502

## 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	qnbcbnone	
## 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.
## 1st Qu.:2.000	1st Qu.:1.00	1st Qu.:1.000	1st Qu.:2.000	1st
## Median :2.000	Median :1.00	Median :2.000	Median :2.000	Median
## Mean :1.944	Mean :1.38	Mean :1.688	Mean :1.797	Mean
## 3rd Qu.:2.000	3rd Qu.:2.00	3rd Qu.:2.000	3rd Qu.:2.000	3rd
## Max. :2.000	Max. :2.00	Max. :2.000	Max. :2.000	Max.
## NA's :323	NA's :323	NA's :323	NA's :323	NA's
## 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	qnmlk1	qnmlk2	
## qnmlk3				
## Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000	Min.
## 1st Qu.:2.000	1st Qu.:2.000	1st Qu.:1.000	1st Qu.:2.000	1st
## Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median
## Mean :1.853	Mean :1.917	Mean :1.632	Mean :1.782	Mean
## 3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd
## Max. :2.000	Max. :2.000	Max. :2.000	Max. :2.000	Max.
## NA's :332	NA's :332	NA's :2409	NA's :2409	NA's
## qnbk7day	qnpa0day	qnpa7day	qndlype	

```

qnsprk1
## 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
##      qnsprk2      qnsprk3      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 : NA's : 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+lbl> <dbl+lbl> <dbl+lbl> <chr> <dbl> <dbl> <dbl+lbl> <dbl+lbl>  
<dbl+lbl>  
## 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.
##	1st Qu.:	1.000	1st Qu.:	1.000	1st Qu.:	1.000	1st Qu.:	1.00	1st
##	Median	:1.000	Median	:1.000	Median	:1.000	Median	:1.00	Median
##	Mean	:2.178	Mean	:2.786	Mean	:2.548	Mean	:2.83	Mean
##	3rd Qu.:	2.000	3rd Qu.:	6.000	3rd Qu.:	4.000	3rd Qu.:	5.00	3rd
##	Max.	:8.000	Max.	:8.000	Max.	:7.000	Max.	:7.00	Max.
##	NA's	:1220	NA's	:1264	NA's	:339	NA's	:280	NA's
##	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.
##	1st Qu.:	1.000	1st Qu.:	1.000	1st Qu.:	1.00	1st Qu.:	1.000	1st
##	Median	:1.000	Median	:1.000	Median	:1.00	Median	:1.000	Median
##	Mean	:1.151	Mean	:1.087	Mean	:1.42	Mean	:1.029	Mean
##	3rd Qu.:	1.000	3rd Qu.:	1.000	3rd Qu.:	1.00	3rd Qu.:	1.000	3rd
##	Max.	:6.000	Max.	:6.000	Max.	:6.00	Max.	:3.000	Max.
##	NA's	:229	NA's	:129	NA's	:140	NA's	:226	NA's
##	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. :1.000
##	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:2.000	1st Qu.:1.000	1st Qu.:1.000
##	Median :2.000	Median :1.000	Median :2.000	Median :1.000	Median :1.000
##	Mean :1.919	Mean :1.196	Mean :1.833	Mean :1.146	Mean :1.146
##	3rd Qu.:3.000	3rd Qu.:1.000	3rd Qu.:2.000	3rd Qu.:1.000	3rd Qu.:1.000
##	Max. :4.000	Max. :3.000	Max. :3.000	Max. :6.000	Max. :6.000
##	NA's :388	NA's :360	NA's :347	NA's :1063	NA's :1063
##	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.
## 1st Qu.:2.000	1st Qu.:2.00	1st Qu.:1.00	1st Qu.:2.000	1st
## Median :2.000	Median :2.00	Median :1.00	Median :2.000	Median
## Mean :1.964	Mean :1.92	Mean :1.49	Mean :1.924	Mean
## 3rd Qu.:2.000	3rd Qu.:2.00	3rd Qu.:2.00	3rd Qu.:2.000	3rd
## Max. :2.000	Max. :2.00	Max. :2.00	Max. :2.000	Max.
## NA's :541	NA's :642	NA's :11815	NA's :238	NA's
## 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.
## 1st Qu.:1.000	1st Qu.:1.00	1st Qu.:1.000	1st Qu.:2.000	1st
## Median :2.000	Median :1.00	Median :2.000	Median :2.000	Median
## Mean :1.546	Mean :1.19	Mean :1.731	Mean :1.884	Mean
## 3rd Qu.:2.000	3rd Qu.:1.00	3rd Qu.:2.000	3rd Qu.:2.000	3rd
## Max. :2.000	Max. :2.00	Max. :2.000	Max. :2.000	Max.
## NA's :237	NA's :250	NA's :259	NA's :303	NA's
## 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.
## 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 :1.000
## 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.
## 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+1> <chr+1> <chr+> <chr> <dbl> <dbl> <chr+1> <chr+1>
<chr+1>
## 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.
## 1st Qu.:2.000	1st Qu.:1.00	1st Qu.:2.000	1st Qu.:2.000	1st
## Median :2.000	Median :2.00	Median :2.000	Median :2.000	Median
## Mean :1.973	Mean :1.54	Mean :1.897	Mean :1.828	Mean
## 3rd Qu.:2.000	3rd Qu.:2.00	3rd Qu.:2.000	3rd Qu.:2.000	3rd
## Max. :2.000	Max. :2.00	Max. :2.000	Max. :2.000	Max.
## NA's :2466	NA's :2066	NA's :580	NA's :682	NA's
## 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.
## 1st Qu.:2.000	1st Qu.:2.000	1st Qu.:2.000	1st Qu.:1.00	1st
## Median :2.000	Median :2.000	Median :2.000	Median :1.00	Median
## Mean :1.933	Mean :1.958	Mean :1.868	Mean :1.29	Mean
## 3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.00	3rd
## Max. :2.000	Max. :2.000	Max. :2.000	Max. :2.00	Max.
## NA's :458	NA's :1513	NA's :859	NA's :1257	NA's
## QN42	QN43	QN44	QN45	QN46
## Min. :1.00	Min. :1.000	Min. :1.000	Min. :1.000	Min.
## 1st Qu.:1.00	1st Qu.:2.000	1st Qu.:1.000	1st Qu.:2.000	1st
## Median :2.00	Median :2.000	Median :2.000	Median :2.000	Median
## Mean :1.61	Mean :1.782	Mean :1.596	Mean :1.942	Mean
## 3rd Qu.:2.00	3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd

## Max. :2.00	Max. :2.000	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 :392	NA's :500
## QN47	QN48	QN49	QN50	QN51	
## Min. :1.00	Min. :1.000	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	1st Qu.:2.000
## Median :2.00	Median :2.000	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 :1.928	Mean :1.967
## 3rd Qu.:2.00	3rd Qu.:2.000	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	Max. :2.000
## NA's :394	NA's :455	NA's :787	NA's :287	NA's :287	NA's :990
## QN52	QN53	QN54	QN55		
## Min. :1.000	Min. :1.000	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	1st Qu.:2.000	1st Qu.:2.000
## Median :2.000	Median :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	Mean :1.914	Mean :1.914
## 3rd Qu.:2.000	3rd Qu.:2.000	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	Max. :2.000	Max. :2.000
## NA's :869	NA's :1356	NA's :492	NA's :1155	NA's :1155	NA's :1155
## QN56	QN57	QN58	QN59		
## Min. :1.000	Min. :1.000	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	1st Qu.:1.000	1st Qu.:1.000
## Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median :2.000
## Mean :1.963	Mean :1.803	Mean :1.976	Mean :1.723	Mean :1.723	Mean :1.723
## 3rd Qu.:2.000	3rd Qu.:2.000	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	Max. :2.000	Max. :2.000
## NA's :601	NA's :1414	NA's :1363	NA's :279	NA's :279	NA's :279
## QN60	QN61	QN62	QN63	QN64	
## Min. :1.000	Min. :1.00	Min. :1.000	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.:1.000	1st Qu.:1.000
## Median :1.000	Median :2.00	Median :2.000	Median :2.000	Median :2.000	Median :2.000
## Mean :1.495	Mean :1.93	Mean :1.835	Mean :1.639	Mean :1.639	Mean :1.639
## 3rd Qu.:2.000	3rd Qu.:2.00	3rd Qu.:2.000	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	Max. :2.000
## NA's :1081	NA's :1090	NA's :1141	NA's :1129	NA's :1129	NA's :1129
## :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 :2.000

```

: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+1> <chr+1> <chr+1> <chr> <dbl> <dbl> <chr+1> <chr+1>
<chr+1>
```

```
## 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	
##	Q14		Q15		Q16		Q17		
##	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	
##	Q18		Q19		Q20		Q21		Q22
##	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								
##	Q23		Q24		Q25		Q26		
##	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	
##	Q27		Q28		Q29		Q30		
##	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	
##	Q31		Q32		Q33		Q34		
##	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

: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.:1.000
## Median :2.000	Median :1.00	Median :1.000	Median :1.000	Median :1.000
## 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
##

```


##