

# Untitled

2025-09-11

## Problem 1

Importing and translating single-year data. Checking first few rows

```
##      SEQN RIAGENDR RIDAGEYR
## 1 73557      Male      69
## 2 73558      Male      54
## 3 73559      Male      72
## 4 73560      Male       9
## 5 73561    Female      73
## 6 73562      Male      56
```

## Problem 2

```
## [1] 10175      72
```

## Problem 3

```
## [1] 29400      78
```

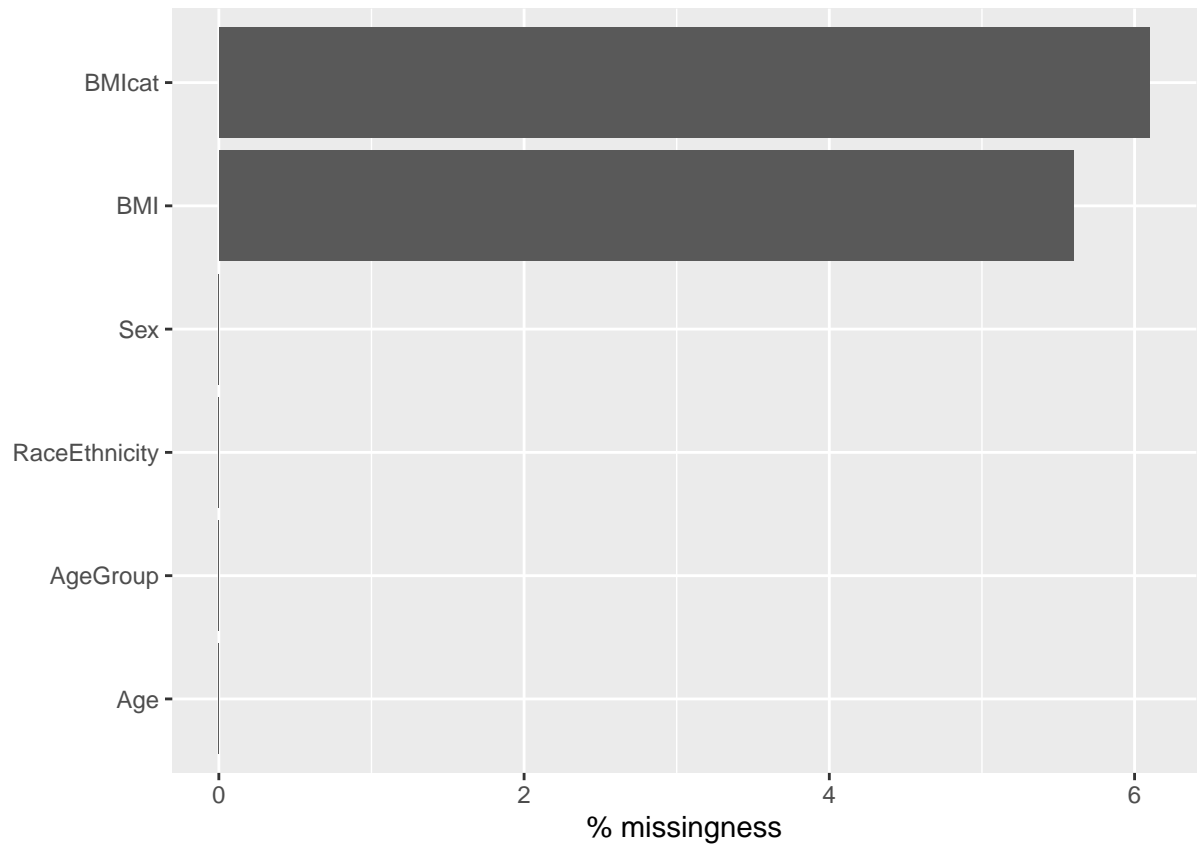
## Problem 4

## Problem 5

```
## 'data.frame':    17057 obs. of  6 variables:
## $ Sex           : Factor w/ 2 levels "Male","Female": 1 1 1 2 1 2 1 2 1 2 ...
## $ Age           : num  69 54 72 73 56 61 42 56 65 26 ...
## $ AgeGroup      : chr   "60+" "40-59" "60+" "60+" ...
## $ RaceEthnicity: chr   "Non-Hispanic Black" "Non-Hispanic White" "Non-Hispanic White" "Non-Hispanic W
## $ BMI           : num  26.7 28.6 28.9 19.7 41.7 35.7 NA 26.5 22 20.3 ...
## $ BMICat       : chr   "Overweight" "Overweight" "Overweight" "Normal weight" ...
```

## Problem 6

```
## New names:
## * ' ' -> '...2'
```



	Male	Female	Overall
	(N=8207)	(N=8850)	(N=17057)
<b>Sex</b>			
Male	8207 (100%)	0 (0%)	8207 (48.1%)
Female	0 (0%)	8850 (100%)	8850 (51.9%)
<b>Age</b>			
Mean (SD)	50.2 (17.8)	49.9 (17.7)	50.0 (17.7)
Median [Min, Max]	51.0 [20.0, 80.0]	50.0 [20.0, 80.0]	50.0 [20.0, 80.0]
<b>AgeGroup</b>			
20-39	2687 (32.7%)	2907 (32.8%)	5594 (32.8%)
40-59	2612 (31.8%)	2959 (33.4%)	5571 (32.7%)
60+	2908 (35.4%)	2984 (33.7%)	5892 (34.5%)
<b>RaceEthnicity</b>			
Hispanic	1978 (24.1%)	2312 (26.1%)	4290 (25.2%)
Non-Hispanic Asian	1034 (12.6%)	1134 (12.8%)	2168 (12.7%)
Non-Hispanic Black	1759 (21.4%)	1914 (21.6%)	3673 (21.5%)
Non-Hispanic White	3094 (37.7%)	3176 (35.9%)	6270 (36.8%)
Other Race - Including Multi-Racial	342 (4.2%)	314 (3.5%)	656 (3.8%)
<b>BMI</b>			
Mean (SD)	28.9 (6.33)	30.0 (7.90)	29.5 (7.21)
Median [Min, Max]	28.0 [14.1, 86.2]	28.7 [14.2, 84.4]	28.3 [14.1, 86.2]
Missing	493 (6.0%)	463 (5.2%)	956 (5.6%)
<b>BMIcat</b>			
Normal weight	1966 (24.0%)	2278 (25.7%)	4244 (24.9%)
Obese	2744 (33.4%)	3608 (40.8%)	6352 (37.2%)
Overweight	2853 (34.8%)	2315 (26.2%)	5168 (30.3%)
Underweight	105 (1.3%)	142 (1.6%)	247 (1.4%)
Missing	539 (6.6%)	507 (5.7%)	1046 (6.1%)