

Exploring different R packages to make professional looking academic descriptive tables

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Default output generated using the 'gtsummary' package.	2

Explore the Data

```
# A tibble: 6 x 76
  ID SurveyYr Gender Age AgeDecade AgeMonths Race1 Race3 Education
  <int> <fct>   <fct>   <int> <fct>           <int> <fct> <fct> <fct>
1 51624 2009_10 male     34 " 30-39"         409 White <NA> High School
2 51624 2009_10 male     34 " 30-39"         409 White <NA> High School
3 51624 2009_10 male     34 " 30-39"         409 White <NA> High School
4 51625 2009_10 male      4 " 0-9"           49 Other <NA> <NA>
5 51630 2009_10 female   49 " 40-49"        596 White <NA> Some College
6 51638 2009_10 male      9 " 0-9"          115 White <NA> <NA>
# i 67 more variables: MaritalStatus <fct>, HHIncome <fct>, HHIncomeMid <int>,
# Poverty <dbl>, HomeRooms <int>, HomeOwn <fct>, Work <fct>, Weight <dbl>,
# Length <dbl>, HeadCirc <dbl>, Height <dbl>, BMI <dbl>,
# BMICatUnder20yrs <fct>, BMI_WHO <fct>, Pulse <int>, BPSysAve <int>,
# BPDiaAve <int>, BPSys1 <int>, BPDia1 <int>, BPSys2 <int>, BPDia2 <int>,
# BPSys3 <int>, BPDia3 <int>, Testosterone <dbl>, DirectChol <dbl>,
# TotChol <dbl>, UrineVol1 <int>, UrineFlow1 <dbl>, UrineVol2 <int>, ...
```

Create a table summarizing the sociodemographic characteristics of patients with and without diabetes

Default output generated using the 'gtsummary' package.

Table: sociodemographic characteristics of patients with and without diabetes

Characteristic	Overall N = 9,858 ¹	No N = 9,098 ¹	Yes N = 760 ¹
Gender			
female	4,949 (50%)	4,592 (50%)	357 (47%)
male	4,909 (50%)	4,506 (50%)	403 (53%)
Age	37 (22)	35 (22)	59 (15)
AgeDecade			
0-9	1,254 (13%)	1,254 (14%)	0 (0%)
10-19	1,371 (14%)	1,354 (15%)	17 (2.5%)
20-29	1,356 (14%)	1,344 (15%)	12 (1.7%)
30-39	1,338 (14%)	1,295 (15%)	43 (6.2%)
40-49	1,398 (15%)	1,302 (15%)	96 (14%)
50-59	1,304 (14%)	1,126 (13%)	178 (26%)
60-69	917 (9.6%)	713 (8.1%)	204 (30%)
70+	587 (6.2%)	447 (5.1%)	140 (20%)
Unknown	333	263	70
Race1			
Black	1,184 (12%)	1,053 (12%)	131 (17%)
Hispanic	602 (6.1%)	555 (6.1%)	47 (6.2%)
Mexican	991 (10%)	925 (10%)	66 (8.7%)
White	6,290 (64%)	5,840 (64%)	450 (59%)
Other	791 (8.0%)	725 (8.0%)	66 (8.7%)
BMI_WHO			
12.0_18.5	1,277 (13%)	1,274 (14%)	3 (0.4%)
18.5_to_24.9	2,908 (30%)	2,797 (32%)	111 (15%)
25.0_to_29.9	2,664 (28%)	2,461 (28%)	203 (27%)
30.0_plus	2,749 (29%)	2,321 (26%)	428 (57%)
Unknown	260	245	15
Education			
8th Grade	451 (6.2%)	351 (5.4%)	100 (13%)
9 - 11th Grade	886 (12%)	781 (12%)	105 (14%)
High School	1,517 (21%)	1,352 (21%)	165 (22%)
Some College	2,267 (31%)	2,039 (31%)	228 (31%)
College Grad	2,098 (29%)	1,954 (30%)	144 (19%)
Unknown	2,639	2,621	18
MaritalStatus			
Divorced	705 (9.8%)	605 (9.3%)	100 (13%)
LivePartner	560 (7.7%)	531 (8.2%)	29 (3.9%)
Married	3,945 (55%)	3,519 (54%)	426 (57%)
NeverMarried	1,380 (19%)	1,313 (20%)	67 (9.0%)
Separated	183 (2.5%)	159 (2.5%)	24 (3.2%)
Widowed	456 (6.3%)	361 (5.6%)	95 (13%)
Unknown	2,629	2,610	19
HHIncome			
0-4999	182 (2.0%)	169 (2.0%)	13 (1.9%)
5000-9999	250 (2.8%)	223 (2.7%)	27 (3.9%)
10000-14999	537 (5.9%)	472 (5.6%)	65 (9.3%)
15000-19999	515 (5.7%)	461 (5.5%)	54 (7.8%)
20000-24999	605 (6.7%)	546 (6.5%)	59 (8.5%)