Reproducible document

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#Introduction

bla bla bla

#Methods and Results

bla *bla*

##Analysis

bla **bla** bla

#Discussion

bla bla

2 + 2

[1] 4

library(tidyverse)  
library(NHANES)  
nhanes\_small <- read\_csv(here::here("data/nhanes\_small.csv"))

nhanes\_small

# A tibble: 616 × 12  
 age sex bmi diabetes phys\_active bp\_sys\_ave bp\_dia\_ave education   
 <dbl> <chr> <dbl> <chr> <chr> <dbl> <dbl> <chr>   
 1 528 male 31.4 Yes No 144 88 9 - 11th Grade  
 2 528 male 31.4 Yes No 144 88 9 - 11th Grade  
 3 768 female 27.2 Yes Yes 130 65 8th Grade   
 4 708 female 25.8 Yes No 150 0 8th Grade   
 5 708 female 25.8 Yes No 150 0 8th Grade   
 6 672 male 25.0 Yes No 86 54 8th Grade   
 7 936 female 22.6 Yes No 133 61 8th Grade   
 8 960 male 34.0 Yes No 125 56 9 - 11th Grade  
 9 792 female 28.6 Yes No 136 70 9 - 11th Grade  
10 792 female 28.6 Yes No 136 70 9 - 11th Grade  
# ℹ 606 more rows  
# ℹ 4 more variables: logged\_bmi <dbl>, old <chr>,  
# mean\_arterial\_pressure <dbl>, young\_child <chr>

## Table of results

nhanes\_small %>%  
 filter(!is.na(diabetes)) %>%  
 group\_by(diabetes, education) %>%  
 summarise(  
 mean\_age = mean(age, na.rm = TRUE),  
 mean\_bmi = mean(bmi, na.rm = TRUE)  
 ) %>%  
 ungroup() %>%  
 knitr::kable(caption = "Mean values of Age and BMI for each education and diabetes status.")

Mean values of Age and BMI for each education and diabetes status.

| diabetes | education | mean\_age | mean\_bmi |
| --- | --- | --- | --- |
| Yes | 8th Grade | 768.1429 | 29.81024 |
| Yes | 9 - 11th Grade | 757.4815 | 29.91556 |
| Yes | College Grad | 738.2034 | 28.52763 |
| Yes | High School | 719.2558 | 31.21535 |
| Yes | Some College | 706.8387 | 30.25355 |
| Yes | NA | 200.0000 | 26.10389 |

## Prettier table

Mean values of Age and BMI for each education and diabetes status.

| Diabetes Status | Education | Mean Age | Mean BMI |
| --- | --- | --- | --- |
| Yes | 8th grade | 768.1 | 29.8 |
| Yes | 9 - 11th grade | 757.5 | 29.9 |
| Yes | College grad | 738.2 | 28.5 |
| Yes | High school | 719.3 | 31.2 |
| Yes | Some college | 706.8 | 30.3 |

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[1] 4

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| --- |
| Adorable! |