# Milestone 4

2025-03-05

# Setup

## Install packages and data

Installing important packages for the project and downloading the dataset

```
install.packages("tidyverse")
## The downloaded binary packages are in
  /var/folders/4r/kdq7r6r51dx66ggpy4zs5cfh0000gn/T//RtmpBamqet/downloaded_packages
install.packages("gt")
##
## The downloaded binary packages are in
## /var/folders/4r/kdq7r6r51dx66ggpy4zs5cfh0000gn/T//RtmpBamqet/downloaded_packages
install.packages("tinytex")
##
## The downloaded binary packages are in
  /var/folders/4r/kdq7r6r51dx66ggpy4zs5cfh0000gn/T//RtmpBamqet/downloaded_packages
library(tidyverse)
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr 1.1.4 v readr
                                  2.1.5
## v forcats 1.0.0
                       v stringr 1.5.1
## v ggplot2 3.5.1 v tibble
                                  3.2.1
## v lubridate 1.9.3
                       v tidyr
                                  1.3.1
## v purrr
             1.0.2
## -- Conflicts -----
                                          ## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                   masks stats::lag()
## i Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to become error
library(gt)
library(tinytex)
```

dhs <- read csv("~/Documents/GitHub/bios/453/bios453/IAIR7EFL.csv")</pre>

#### 1) Description of data management utilized and cleaning

As part of the data management process fo this project, I

```
dhs clean <- dhs %>%
  select(m60_1, v481, m18_1, m19_1, m17_1, v214, v457) %>%
 na.omit(dhs) %>%
 rename(
   paradrug = m60_1,
   insured = v481,
   sizechild = m18 1,
   bwkg = m19_1,
   csect = m17_1,
   duration = v214,
   anemia = v457
  ) %>%
 filter(
   paradrug!=8,
   bwkg <5000,
   sizechild!=8
 ) %>%
 mutate(
   paradrug = as.factor(paradrug),
  )
```

# 2) Missing data report

## 3) Concept map

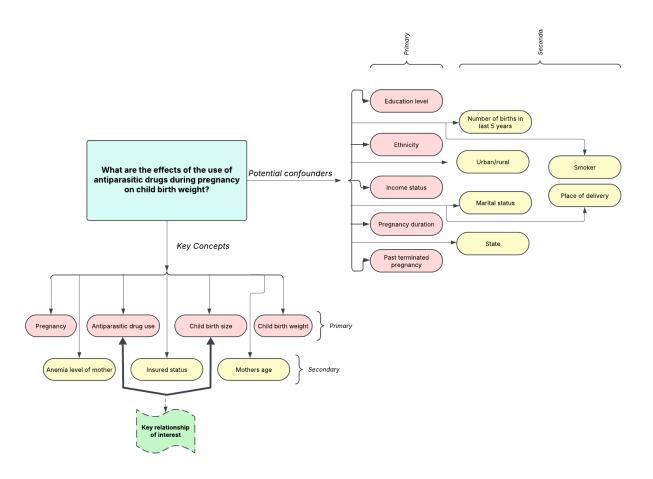


Figure 1: Concept Map