Week 5 In-class Assignment

Load in libraries:

```
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 ------------------------------------------ tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to becor
```

```
library(here)
```

```
here() starts at C:/Users/victo/OneDrive/Documents/MSc Biostatistics - UofT/CHL 8010 - Statis
```

```
library(texreg)
```

```
Version:  1.39.4
Date:     2024-07-23
Author:   Philip Leifeld (University of Manchester)

Consider submitting praise using the praise or praise_interactive functions.
Please cite the JSS article in your publications -- see citation("texreg").

Attaching package: 'texreg'
```

```
The following object is masked from 'package:tidyr':

    extract
```

```
library(multgee)
```

```
Loading required package: gnm
```

```
library(table1)
```

```

Attaching package: 'table1'

The following objects are masked from 'package:base':

    units, units<-
```

```
library(here)
```

Load in data:

```
data <- read.csv(here("original","analytical", "finaldata.csv"),header=TRUE)
```

Factor and filter data:

```
data_2000 <- filter(data, year == 2000)


data$conflict <- factor(data_2000$conflict,levels=c(0,1),labels=c("No Conflict","Conflict"))

data$gdp1000 <- cut(data_2000$gdp1000,
                    breaks = c(-Inf, 1.2383, 4.0719, 13.1531, Inf),
                    labels = c("Very Low GDP", "Low GDP", "Medium GDP", "High GDP"),
                    right = FALSE)

data$OECD <- factor(data_2000$OECD, levels =c(0,1), labels=c("Non-member","Member"))
```

Create labels, caption, and footnote:

Table 1: Armed Conflict Description of Data in 2000

	0	1	Total
	(N=147)	(N=39)	(N=186)
GDP			
Mean (SD)	7.76 (10.6)	1.08 (1.26)	6.39 (9.80)
Median [Min, Max]	2.19 [0.137, 48.7]	0.558 [0.123, 4.80]	1.77 [0.123, 48.7]
Missing	3 (2.0%)	2 (5.1%)	5 (2.7%)
OECD			
Mean (SD)	0.197 (0.399)	0.0256 (0.160)	0.161 (0.369)
Median [Min, Max]	0 [0, 1.00]	0 [0, 1.00]	0 [0, 1.00]
Population Density			
Mean (SD)	29.3 (21.6)	24.4 (16.7)	28.3 (20.7)
Median [Min, Max]	27.3 [0, 99.8]	21.3 [0, 71.7]	25.4 [0, 99.8]
Missing	1 (0.7%)	0 (0%)	1 (0.5%)
Urban Residence			
Mean (SD)	29.9 (18.7)	26.4 (12.0)	29.1 (17.6)
Median [Min, Max]	28.9 [0.106, 91.6]	24.1 [3.80, 49.3]	28.0 [0.106, 91.6]
Missing	1 (0.7%)	0 (0%)	1 (0.5%)

No conflict: <25 battle-related deaths per year
Conflict: >=25 battle-related deaths per year

```
label(data_2000$gdp1000) <- "GDP"
label(data_2000$OECD) <- "OECD"
label(data_2000$popdens) <- "Population Density"
label(data_2000$urban) <- "Urban Residence"
label(data_2000$conflict) <- c("No Conflict","Conflict")

caption <- "Armed Conflict Description of Data in 2000"

footnote <- "No conflict: <25 battle-related deaths per year<br>Conflict: >=25 battle-relate
```

Create table:

```
table1( ~ gdp1000 + OECD + popdens + urban | conflict, data = data_2000, overall=(c(Left="To
```

```
Warning in table1.formula(~gdp1000 + OECD + popdens + urban | conflict, : Terms
to the right of '|' in formula 'x' define table columns and are expected to be
factors with meaningful labels.
```