table1

Desmond Chen

library(here)

here() starts at /Users/apple/Documents/chl8010class2/armed\_conflict

library(tidyverse)

── Attaching core tidyverse packages ──────────────────────── tidyverse 2.0.0 ──  
✔ dplyr 1.1.4 ✔ readr 2.1.5  
✔ forcats 1.0.0 ✔ stringr 1.5.1  
✔ ggplot2 3.4.4 ✔ tibble 3.2.1  
✔ lubridate 1.9.3 ✔ tidyr 1.3.1  
✔ purrr 1.0.2

── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
✖ dplyr::filter() masks stats::filter()  
✖ dplyr::lag() masks stats::lag()  
ℹ Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

finaldata <- read.csv(here("data", "finaldata.csv"), header = TRUE)  
finaldata$earthquake[is.na(finaldata$earthquake)] <- 0  
finaldata$drought[is.na(finaldata$drought)] <- 0

#summary(finaldata)  
#c("ISO", "year", "Country.Name", "Maternal Mortality", "Infant Mortality", "Neonatal Mortality", "Under 5 Mortality", "Total Estimated Death", "conflict", "Drought", "Earthquake", "Region", "GDP in USD/1000", "OECD", "OECD2023", "Population Density", "Urban Residents Percentage", "Non-working Population Percentage", "Male Education", "Average Temperature", "rainfall in mm dep/1000")  
finaldata$conflict <- as.factor(finaldata$conflict)  
finaldata$drought <- as.factor(finaldata$drought)  
finaldata$earthquake <- as.factor(finaldata$earthquake)  
finaldata$OECD <- as.factor(finaldata$OECD)  
finaldata$conflict <- ifelse(finaldata$conflict == 1, "Conflict", "No Conflict")

library(gtsummary)

Warning: package 'gtsummary' was built under R version 4.3.3

#conflictl ~ "Armed Conflict (Yes=1,No=0)",  
 table1 <- finaldata %>%  
 tbl\_summary(  
 by = conflict,  
 include = c(MatMor, InfMor, NeoMor, U5Mor, conflict, total\_best, drought, earthquake, gdp1000, OECD, popdens, urban, agedep, male\_edu, temp, rainfall1000),  
 label = list(  
 MatMor ~ "Maternal Mortality",  
 InfMor ~ "Infant Mortality",  
 NeoMor ~ "Neonatal Mortality",  
 U5Mor ~ "Under 5 Mortality",  
 total\_best ~ "Total Estimated Death",  
 drought ~ "Drought",  
 earthquake ~ "Earthquake",  
 gdp1000 ~ "GDP in USD/1000",  
 OECD ~ 'OECD',  
 popdens ~ 'Population Density',  
 urban ~ 'Urban Residents Percentage',  
 agedep ~ 'Non-working Population Percentage',  
 male\_edu ~ 'Male Education',  
 temp ~ 'Average Temperature',  
 rainfall1000 ~ 'Rainfall in mm/1000'  
 ),  
 statistic = list(  
 MatMor ~ "{median} ({p25}, {p75})",  
 InfMor ~ "{median} ({p25}, {p75})",  
 NeoMor ~ "{median} ({p25}, {p75})",  
 U5Mor ~ "{median} ({p25}, {p75})" # Display median and IQR for hp  
 )  
 ) %>%   
 add\_overall() %>%  
 modify\_caption("\*\*Table 1 Summary of Subject Characteristics in Armed Conflict Project\*\*")  
table1

| **Characteristic** | **Overall** N = 3,720*1* | **Conflict** N = 704*1* | **No Conflict** N = 3,016*1* |
| --- | --- | --- | --- |
| Maternal Mortality | 66 (17, 300) | 252 (69, 642) | 51 (12, 201) |
| Unknown | 426 | 78 | 348 |
| Infant Mortality | 19 (8, 45) | 43 (19, 67) | 16 (6, 37) |
| Unknown | 20 | 0 | 20 |
| Neonatal Mortality | 12 (5, 25) | 26 (12, 37) | 10 (4, 22) |
| Unknown | 20 | 0 | 20 |
| Under 5 Mortality | 22 (9, 61) | 58 (23, 99) | 19 (7, 48) |
| Unknown | 20 | 0 | 20 |
| Total Estimated Death | 0 (0, 2) | 387 (87, 1,449) | 0 (0, 0) |
| Drought |  |  |  |
| 0 | 3,395 (91%) | 612 (87%) | 2,783 (92%) |
| 1 | 325 (8.7%) | 92 (13%) | 233 (7.7%) |
| Earthquake |  |  |  |
| 0 | 3,410 (92%) | 589 (84%) | 2,821 (94%) |
| 1 | 310 (8.3%) | 115 (16%) | 195 (6.5%) |
| GDP in USD/1000 | 4 (1, 13) | 1 (1, 4) | 5 (2, 17) |
| Unknown | 62 | 26 | 36 |
| OECD |  |  |  |
| 0 | 3,084 (83%) | 664 (94%) | 2,420 (80%) |
| 1 | 636 (17%) | 40 (5.7%) | 596 (20%) |
| Population Density | 28 (15, 41) | 23 (14, 36) | 29 (15, 42) |
| Unknown | 20 | 8 | 12 |
| Urban Residents Percentage | 30 (17, 42) | 29 (20, 40) | 30 (16, 42) |
| Unknown | 20 | 8 | 12 |
| Non-working Population Percentage | 56 (48, 77) | 74 (53, 91) | 54 (47, 71) |
| Male Education | 8.37 (5.90, 10.85) | 6.60 (4.60, 8.29) | 8.84 (6.48, 11.20) |
| Unknown | 20 | 8 | 12 |
| Average Temperature | 22 (13, 26) | 24 (20, 26) | 22 (12, 26) |
| Unknown | 20 | 8 | 12 |
| Rainfall in mm/1000 | 1.01 (0.59, 1.69) | 0.99 (0.44, 1.47) | 1.02 (0.63, 1.72) |
| Unknown | 20 | 8 | 12 |
| *1*Median (Q1, Q3); n (%) | | | |