

# table

## Assignment 1 - Table 1 for armed conflict paper

```
data <- read.csv("data/finaldata.csv")

baseline <- data %>%
  dplyr::filter(year == 2000)
baseline$armconf1f <- factor(baseline$armconf1, levels = c(0,1),
                             labels = c("No armed conflict in 2000",
                                           "Armed conflict in 2000"))
baseline$droughtf <- factor(baseline$drought, levels = c(0,1),
                             labels = c("No", "Yes"))
baseline$earthquakef <- factor(baseline$earthquake, levels = c(0,1),
                                labels = c("No", "Yes"))
baseline$OECDf <- factor(baseline$OECD, levels = c(0,1),
                          labels = c("No", "Yes"))

label(baseline$gdp1000) <- "GDP per capita"
label(baseline$OECD) <- "OECD member"
label(baseline$popdens) <- "Population density"
label(baseline$urban) <- "Urban residence"
label(baseline$agedep) <- "Age dependency ratio"
label(baseline$male_edu) <- "Male education"
label(baseline$temp) <- "Mean annual temperature"
label(baseline$rainfall1000) <- "Mean annual rain fall"
label(baseline$earthquakef) <- "Earthquake"
label(baseline$earthquake) <- "Earthquake"
label(baseline$droughtf) <- "Drought"
label(baseline$drought) <- "Drought"
label(baseline$armconf1f) <- "Armed conflict"
label(baseline$totdeath) <- "Total number of deaths"
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label(baseline$matmor)      <- "Maternal mortality"
label(baseline$infmor)      <- "Infant mortality"
label(baseline$neomor)      <- "Neonatal mortality"
label(baseline$un5mor)      <- "Under 5 mortality"
label(baseline$armconf1f)   <- "Armed conflict"

units(baseline$gdp1000)     <- "USD"
units(baseline$popdens)     <-
  "% of population living in a density of > 1,000 people/km^2"

table1(~ gdp1000 + OECDf + popdens + urban + agedep + male_edu +
  temp + rainfall1000 + earthquakef + droughtf | armconf1f,
  data = baseline,
  render.continuous = c(.="Median [Min, Max]"),
  overall=c(left="Total"),
  caption = "Table 1: Descriptive Statistics of Socioeconomic Indicators
  by Armed Conflict Status in 2000")

```

Table 1: Table 1: Descriptive Statistics of Socioeconomic Indicators by Armed Conflict Status in 2000

	Total	No armed conflict in 2000	Armed conflict in 2000
	(N=186)	(N=147)	(N=39)
<b>GDP per capita (USD)</b>			
Median [Min, Max]	1.77 [0.123, 48.7]	2.19 [0.137, 48.7]	0.558 [0.123, 4.80]
Missing	5 (2.7%)	3 (2.0%)	2 (5.1%)
<b>OECDf</b>			
No	156 (83.9%)	118 (80.3%)	38 (97.4%)
Yes	30 (16.1%)	29 (19.7%)	1 (2.6%)
<b>Population density (% of population living in a density of &gt; 1,000 people/km<sup>2</sup>)</b>			
Median [Min, Max]	25.4 [0, 99.8]	27.3 [0, 99.8]	21.3 [0, 71.7]
Missing	1 (0.5%)	1 (0.7%)	0 (0%)
<b>Urban residence</b>			
Median [Min, Max]	28.0 [0.106, 91.6]	28.9 [0.106, 91.6]	24.1 [3.80, 49.3]
Missing	1 (0.5%)	1 (0.7%)	0 (0%)
<b>Age dependency ratio</b>			
Median [Min, Max]	63.5 [30.0, 111]	60.2 [30.0, 108]	84.4 [44.2, 111]
<b>Male education</b>			
Median [Min, Max]	7.14 [1.07, 14.0]	7.91 [1.07, 14.0]	4.94 [1.69, 11.8]
Missing	1 (0.5%)	1 (0.7%)	0 (0%)
<b>Mean annual temperature</b>			
Median [Min, Max]	21.4 [-1.21, 28.6]	21.0 [-1.21, 28.6]	24.0 [5.09, 28.5]
Missing	1 (0.5%)	1 (0.7%)	0 (0%)
<b>Mean annual rain fall</b>			
Median [Min, Max]	1.00 [0.0480, 4.71]	0.998 [0.0480, 4.71]	1.07 [0.191, 3.03]
Missing	1 (0.5%)	1 (0.7%)	0 (0%)
<b>Earthquake</b>			
No	168 (90.3%)	134 (91.2%)	34 (87.2%)
Yes	18 (9.7%)	13 (8.8%)	5 (12.8%)
<b>Drought</b>			
No	164 (88.2%)	128 (87.1%)	36 (92.3%)
Yes	22 (11.8%)	19 (12.9%)	3 (7.7%)

## Assignment 2 - Descriptive figure

```
finaldata <- read.csv("data/finaldata.csv", header = TRUE)

increased_maternal_mortality <- finaldata |>
  dplyr::select(country_name, ISO, year, matmor) |>
  dplyr::filter(year < 2018) |>
  group_by(ISO) |>
  mutate(diffmatmor = matmor - matmor[1L]) |>
  arrange(ISO, desc(year)) |>
  mutate(incmatmor = ifelse(diffmatmor[1L] > 0 , 1, 0)) |>
  arrange(ISO, year) |>
  ungroup() |>
  dplyr::filter(incmatmor == 1)
length(unique(increased_maternal_mortality$ISO))
```

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```
fig1 <- increased_maternal_mortality |>
  ggplot(aes(x = year, y = matmor, group = ISO)) +
  geom_line(aes(color = country_name), alpha = 1, linewidth = 1) +
  xlim(c(2000,2017)) +
  scale_y_continuous(trans='log10') +
  labs(y = "Maternal mortality (log 10 scale)", x = "Year",
       color = "Country",
       title = "Trend in maternal mortality for countries that had an
       increase from 2000 to 2017") +
  theme_bw(base_size = 12)

fig1
```

