Your Document Title

```
options(repos = c(CRAN = "https://cloud.r-project.org"))

library(here)
```

```
## here() starts at C:/Users/39225/Desktop/New-R
```

```
library(ggplot2)
library(table1)
```

```
##
##      'table1'

## The following objects are masked from 'package:base':
##
##      units, units<-
```

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

```
##  [1] "country_name" "ISO"         "region"       "year"         "gdp1000"
##  [6] "OECD"         "OECD2023"    "popdens"      "urban"        "agedep"
## [11] "male_edu"     "temp"        "rainfall1000" "totdeath"     "armconf1"
## [16] "matmor"       "infmor"      "neomor"       "un5mor"       "drought"
## [21] "earthquake"
```

First, generate the conflict data

```
label(finaldata$armconf1) <- "Armed Conflict happened in that year"
label(finaldata$gdp1000) <- "GDP in thousands"
label(finaldata$matmor) <- "Maternal mortality ratio per 100000 live births"
label(finaldata$un5mor) <- "Under-5 mortality rate per 1000 live births"
label(finaldata$infmor) <- "Infant mortality rate per 1000 live births"
label(finaldata$neomor) <- "Neonatal mortality rate per 1000 live births"

finaldata$armconf1 <- factor(finaldata$armconf1, levels = c(0, 1), labels = c('No Exposure to Conflicts

table1(~ gdp1000 + matmor + un5mor + infmor +neomor | armconf1,
       data = finaldata)
```

```
## Get nicer `table1` LaTeX output by simply installing the `kableExtra` package
```

|	No Exposure to Conflicts	Exposure to Conflicts	Overall
	(N=3055)	(N=665)	(N=3720)
GDP in thousands			
Mean (SD)	13.2 (18.5)	3.31 (5.06)	11.5 (17.4)
Median [Min, Max]	4.98 [0.123, 124]	1.40 [0.110, 44.5]	4.07 [0.110, 124]
Missing	38 (1.2%)	24 (3.6%)	62 (1.7%)
Maternal mortality ratio per 100000 live births			
Mean (SD)	173 (270)	383 (383)	211 (304)
Median [Min, Max]	53.0 [2.00, 2480]	246 [5.00, 2250]	66.0 [2.00, 2480]
Missing	348 (11.4%)	78 (11.7%)	426 (11.5%)
Under-5 mortality rate per 1000 live births			
Mean (SD)	35.2 (39.1)	64.8 (47.8)	40.5 (42.4)
Median [Min, Max]	19.0 [2.00, 225]	56.3 [4.10, 219]	22.2 [2.00, 225]
Missing	20 (0.7%)	0 (0%)	20 (0.5%)
Infant mortality rate per 1000 live births			
Mean (SD)	25.4 (24.5)	44.8 (28.9)	28.9 (26.4)
Median [Min, Max]	16.3 [1.60, 138]	41.3 [3.20, 136]	18.9 [1.60, 138]
Missing	20 (0.7%)	0 (0%)	20 (0.5%)
Neonatal mortality rate per 1000 live births			
Mean (SD)	14.3 (12.0)	24.8 (13.7)	16.2 (13.0)
Median [Min, Max]	10.6 [0.800, 60.9]	25.2 [2.30, 59.7]	12.1 [0.800, 60.9]
Missing	20 (0.7%)	0 (0%)	20 (0.5%)

```r
library(ggplot2)
finaldata <- read.csv(here("data/analytical", "finaldata.csv"), header = TRUE)
# Convert armconf1 to a factor with appropriate labels
finaldata$armconf1 <- factor(finaldata$armconf1, levels = c(0, 1), labels = c("No Conflict", "Conflict")

ggplot(finaldata, aes(x = year, y = matmor, color = armconf1)) +
  geom_point(alpha = 0.6) +
  geom_smooth(aes(group = armconf1), method = "loess", se = FALSE) +
  scale_color_manual(values = c("blue", "green")) +
  labs(title = "Maternal Mortality Ratio per100000 Over Years",
       x = "Year",
       y = "Maternal Mortality Ratio Per 100000",
       color = "Conflict Status") +
  theme_minimal()
```

```
## `geom_smooth()` using formula = 'y ~ x'


## Warning: Removed 426 rows containing non-finite outside the scale range
## (`stat_smooth()`).


## Warning: Removed 426 rows containing missing values or values outside the scale range
## (`geom_point()`).
```
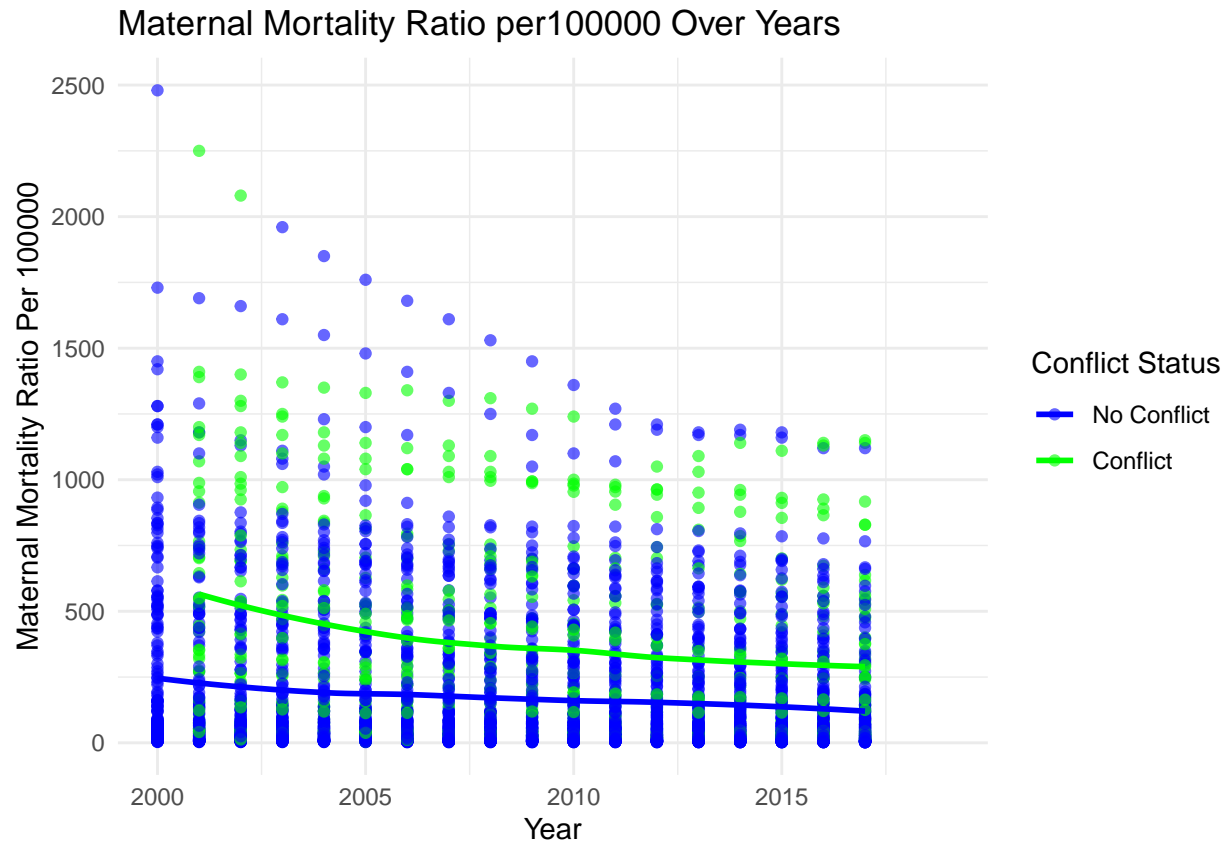
Maternal Mortality Ratio per100000 Over Years


```r
library(ggplot2)
finaldata <- read.csv(here("data/analytical", "finaldata.csv"), header = TRUE)
# Convert armconf1 to a factor with appropriate labels
finaldata$armconf1 <- factor(finaldata$armconf1, levels = c(0, 1), labels = c("No Conflict", "Conflict")

ggplot(finaldata, aes(x = year, y = un5mor, color = armconf1)) +
  geom_point(alpha = 0.3) +
  geom_smooth(aes(group = armconf1), method = "loess", se = FALSE) +
  scale_color_manual(values = c("blue", "green")) +
  labs(title = "Under5 Mortality Ratio In 1000 Over Years",
       x = "Year",
       y = "Under5 Mortality Ratio Per 1000",
       color = "Conflict Status") +
  theme_minimal()
```
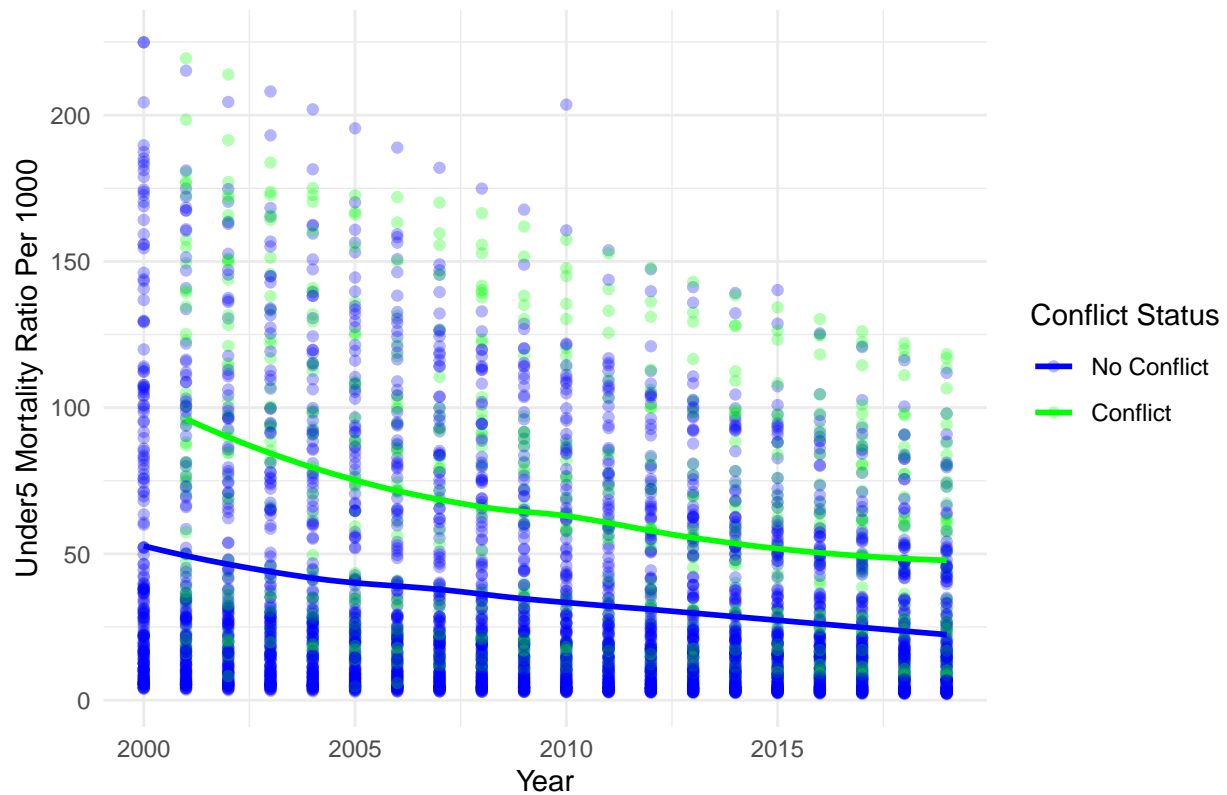
```
## `geom_smooth()` using formula = 'y ~ x'


## Warning: Removed 20 rows containing non-finite outside the scale range
## (`stat_smooth()`).


## Warning: Removed 20 rows containing missing values or values outside the scale range
## (`geom_point()`).
```

Under5 Mortality Ratio In 1000 Over Years


```r
library(ggplot2)
finaldata <- read.csv(here("data/analytical", "finaldata.csv"), header = TRUE)
# Convert armconf1 to a factor with appropriate labels
finaldata$armconf1 <- factor(finaldata$armconf1, levels = c(0, 1), labels = c("No Conflict", "Conflict")

ggplot(finaldata, aes(x = year, y = gdp1000, color = armconf1)) +
  geom_point(alpha = 0.3) +
  geom_smooth(aes(group = armconf1), method = "loess", se = FALSE) +
  scale_color_manual(values = c("blue", "green")) +
  labs(title = "gdp1000 Over Years",
       x = "Year",
       y = "gdp in a thousand",
       color = "Conflict Status") +
  theme_minimal()
```

```
## `geom_smooth()` using formula = 'y ~ x'
```

```
## Warning: Removed 62 rows containing non-finite outside the scale range
## (`stat_smooth()`).
```

```
## Warning: Removed 62 rows containing missing values or values outside the scale range
## (`geom_point()`).
```

gdp1000 Over Years