Week 5 Activity

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############ TRY PLOTTING ONLY BASELINE DATA (YEAR 2000) FOR COUNTRIES ###########

library(here)
library(Hmisc)
library(table1)
library(tidyverse)

finaldata <- read.csv(here("Version Control/Armed-conflict/data/final_data.csv"), header = T

baseline <- finaldata %>%
  dplyr::filter(Year == 2000)
baseline$armconf1f <- factor(baseline$armconf1, levels = c(0,1),
                             labels = c("No presence of armed conflict in 2000", "Presence o
baseline$droughtf <- factor(baseline$drought, levels = c(0,1),
                            labels = c("No Drought", "Drought"))
baseline$earthquakef <- factor(baseline$earthquake, levels = c(0,1),
                               labels = c("No Earthquake", "Earthquake"))
baseline$OECD <- factor(baseline$OECD, levels = c(0,1),
                        labels = c("No OECD membership", "OECD membership"))


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"
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label(baseline$droughtf)        <- "Drought"
label(baseline$drought)         <- "Drought"
label(baseline$armconf1f)       <- "Armed conflict"
label(baseline$totdeath)        <- "Total number of deaths"
label(baseline$Maternal_Mortality)        <- "Maternal mortality"
label(baseline$Infant_Mortality)         <- "Infant mortality"
label(baseline$Neonatal_Mortality)         <- "Neonatal mortality"
label(baseline$Under5_Mortality)        <- "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"

## Create Table 1 #######

cat("Table 1: Summary of Baseline Characteristics for Countries in the Year 2000 by Presence

table1(~ gdp1000 + OECD + popdens + urban + agedep + male_edu +
        temp + rainfall1000 + earthquakef + droughtf| armconf1f,
      data = baseline,
       render.continuous = c(.="Median [Min, Max]"),
      overall=c(left="Total"))
```