Map\_Countries <- Filter(indicator\_2,country!= "Belgium",country!= "Bolivia, Plurinational State of",country!= "Burma",country!= "CÃ´te d'Ivoire",country!= "Libyan Arab Jamahiriya",country!= "Netherlands",country!= "Korea, Republic of",country!= "Viet Nam")

# First Chunk - Setup

```{r}

#| label: setup

#| include: false

library(tidyverse)

#data

Indicator\_2 <- read.csv("/cloud/project/unicef\_indicator\_2.csv")

```

# Map Code

```{r}

#| echo: false

obs\_value<-select(Indicator\_2,country,obs\_value)

Ind2\_by\_country<- group\_by(Indicator\_2,country)

Mean\_value<-summarise(Ind2\_by\_country, avg\_value = mean(obs\_value))

**[Mean\_value<-select(Indicator\_2,country,obs\_value)%>%**

**group\_by(country)%>%**

**summarise(avg\_value = mean(obs\_value))}**

map\_world <- map\_data("world")

map\_Ind2\_country <- full\_join(map\_world, Mean\_value, by = c("region" = "country"))

ggplot(data = map\_Ind2\_country) +

aes(x = long, y = lat, group = group, fill = avg\_value) +

geom\_polygon()

```

# Scatterplot

```{r}

#| echo: false

GDP\_per\_country<-select(Metadata,country,GDP\_per\_capita)

GDP\_per\_country\_total<- group\_by(Metadata,country)

Mean\_GDP<-summarise(GDP\_per\_country\_total, avg\_value = mean(GDP\_per\_capita))

*GDPvValue <-semi\_join(Mean\_value,Mean\_GDP,by = "country") -> possibly changed*

ggplot(data = GDPvValue) +

aes(x=Mean\_value,

y=Mean\_value) +

geom\_point()

```

**\*\* issue on this code**

**Aesthetics are not the same length as the data**

```{r}

#| echo: false

GDP\_per\_country<-select(Metadata,country,GDP\_per\_capita)

**\*\***GDP\_per\_country<-GDP\_per\_country[!(is.na(GDP\_per\_country$GDP\_per\_capita)), ]**\*\***

GDP\_per\_country\_total<- group\_by(GDP\_per\_country,country)

Mean\_GDP<-summarise(GDP\_per\_country\_total, avg\_value = mean(GDP\_per\_capita))

GDP\_per\_country<-select(Metadata,country,GDP\_per\_capita)

GDP\_per\_country<-GDP\_per\_country[!(is.na(GDP\_per\_country$GDP\_per\_capita)), ]

GDP\_per\_country\_total<- group\_by(GDP\_per\_country,country)

Mean\_GDP<-summarise(GDP\_per\_country\_total, avg\_value = mean(GDP\_per\_capita))

**{ Mean\_GDP <-select(Metadata ,country, GDP\_per\_capita )%>%**

**[!(is.na($GDP\_per\_capita)), ] %>%**

**Group\_by(country) %>%**

**Summarise(Avg\_value = mean(GDP\_per\_capital)) }**

GDPvValue <-inner\_join(Mean\_value,Mean\_GDP,by="country")

ggplot(data = GDPvValue) +

aes(x=avg\_value.y,

y=avg\_value.x) +

geom\_point() +

geom\_smooth(method="lm")

```

# Bar Chart