GROUP BRAIN STORM (5 MINS)

- What all information do you need to analyze the data?
  - Hint: go to https://www.gapminder.org/data/
  - What variables? Mention 1 health and 1 wealth variable
- How will you communicate your results?
  - What kind of visuals or tables would you have?
  - How will you transmit your results to them?

SCENARIO 1

```
Console  Terminal  R Markdown  Jobs
~/Downloads/rr-literate-programming-gh-pages/files/lit-prog/
+   theme(plot.title = element_text(size = 15, face = "bold"))
> library(ggplot2)
> gapMinder <- read.delim("gapminderDataFiveYea)
+
+ )
+ **
+ *
Error: unexpected string constant in:
"***
**"
> gapMinder <- read.delim("gapminderDataFiveYear.tsv")
> head(gapMinder)
      country year      pop continent lifeExp gdpPercap
1 Afghanistan 1952  8425333      Asia  28.801  779.4453
2 Afghanistan 1957  9240934      Asia  30.332  820.8530
3 Afghanistan 1962 10267083      Asia  31.997  853.1007
4 Afghanistan 1967 11537966      Asia  34.020  836.1971
5 Afghanistan 1972 13079460      Asia  36.088  739.9811
6 Afghanistan 1977 14880372      Asia  38.438  786.1134
> dim(gapMinder)
[1] 1704    6
> countryName1 <- "India"
> countryName2 <- "United States"
> countryName3 <- "Nigeria"
> countryName4 <- "Germany""
+ **
Error: unexpected string constant in:
"countryName4 <- "Germany""
**
> countryName1 <- "India"
> countryName2 <- "United States"
> countryName3 <- "Nigeria"
> countryName4 <- "Germany"
> ggplot(country1, aes(year, pop)) +
+   geom_path() +
+   ggtitle(countryName1) +
+   theme(plot.title = element_text(size = 15, face = "bold"))
> ggplot(country1, aes(gdpPercap, lifeExp, size = pop)) +
+   geom_point() +
+   ggtitle(countryName1) +
+   theme(plot.title = element_text(size = 15, face = "bold"))
>
> country2 <- subset(gapMinder, country == countryName2)
>
> ggplot(country2, aes(year, pop)) +
+   geom_path() +
+   ggtitle(countryName2) +
+   theme(plot.title = element_text(size = 15, face = "bold"))
> ggplot(country3, aes(year, pop)) +
+   geom_path() +
+   ggtitle(countryName3) +
+   theme(plot.title = element_text(size = 15, face = "bold"))
> ggplot(country3, aes(gdpPercap, lifeExp, size = pop, label = year)) +
+   geom_point() +
+   geom_text(hjust = 1.3, vjust = 0, size = 3) +
+   ggtitle(countryName3) +
+   theme(plot.title = element_text(size = 15, face = "bold"))
```