

Assignment1_Mar13

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- Is the visualization pleasing to look at?
- Does the visualization accurately represent data?
- Can we understand what message the maker of the visualization is attempting to convey?
- Consider factors such as colour, size, use of images. Is this a 'good' data visualization? Why or why not?

Life expectancy 2007 - Challenging to see differences between countries because of 3D shape - Unnecessary papyrus background and font - Similar colours to denote different groups - Redundancy with label and legend

Montrous costs - Character distracts from data - Editorialized visualization - Angle make it challenging to interpret - Lack of axes labels

Healy, 2018 - Lack of any meaningful labels/titles - Interesting to see difference in interpretation between same data with different aspect ratios

2012 Presidential Run - Source: opinions - Data adds up to >100%? - Colours are jarring

Wind map - Good contrast - The motion is neat

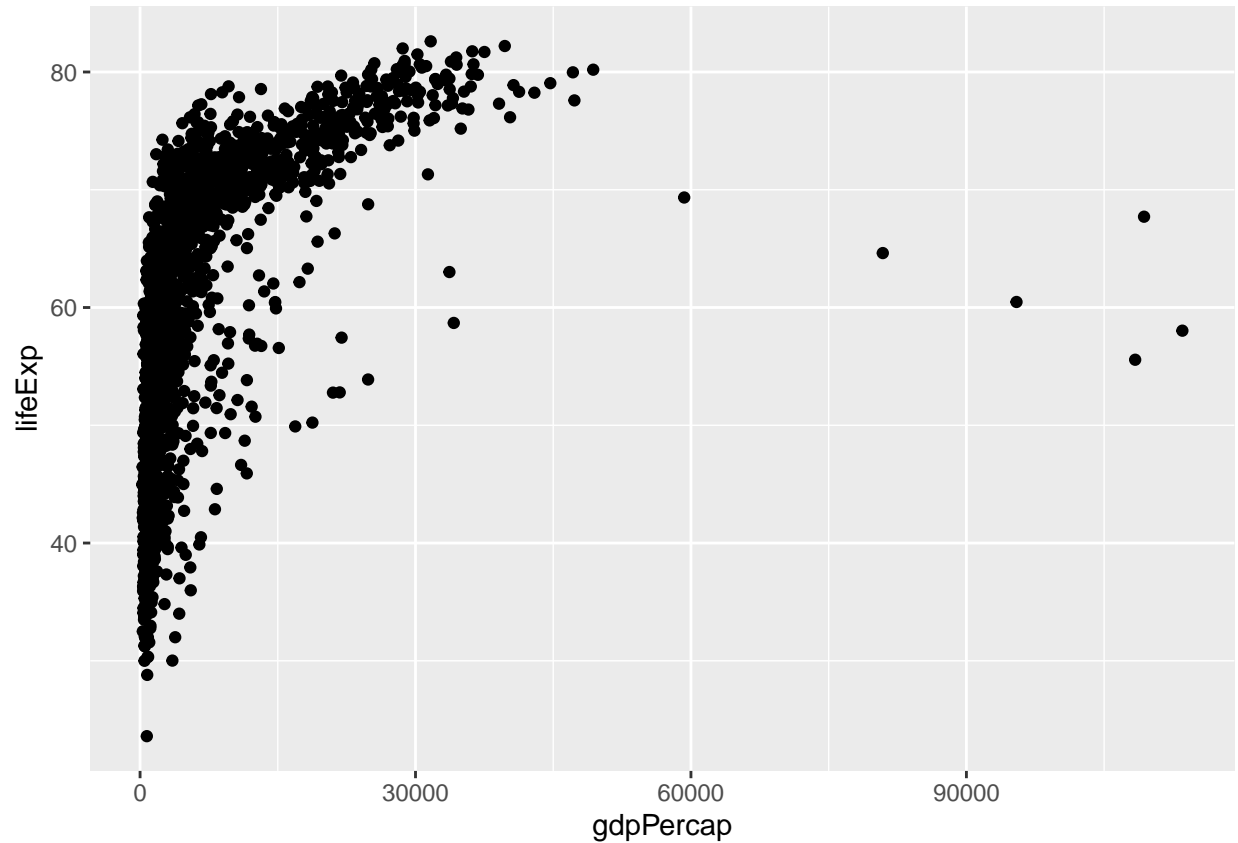
```
# load relevant libraries
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.2 --
## v ggplot2 3.4.1      v purrr   0.3.5
## v tibble  3.1.8      v dplyr   1.1.0
## v tidyr   1.2.1      v stringr 1.5.0
## v readr   2.1.3      v forcats 0.5.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
library(ggplot2)
library(socviz)
library(gapminder)
```

```
# make object

p <- ggplot(data = gapminder,
            mapping = aes(x=gdpPercap, y = lifeExp))
p + geom_point()
```



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- aesthetics are not super appealing, kind of boring
- hard to see each individual point - a lot of overlap
- need units for each axes
- mostly legible