EDLD652_Lab_S2

Michelle Cui

2025-01-30

```
library(tidyverse)
library(here)
library(scales)
```

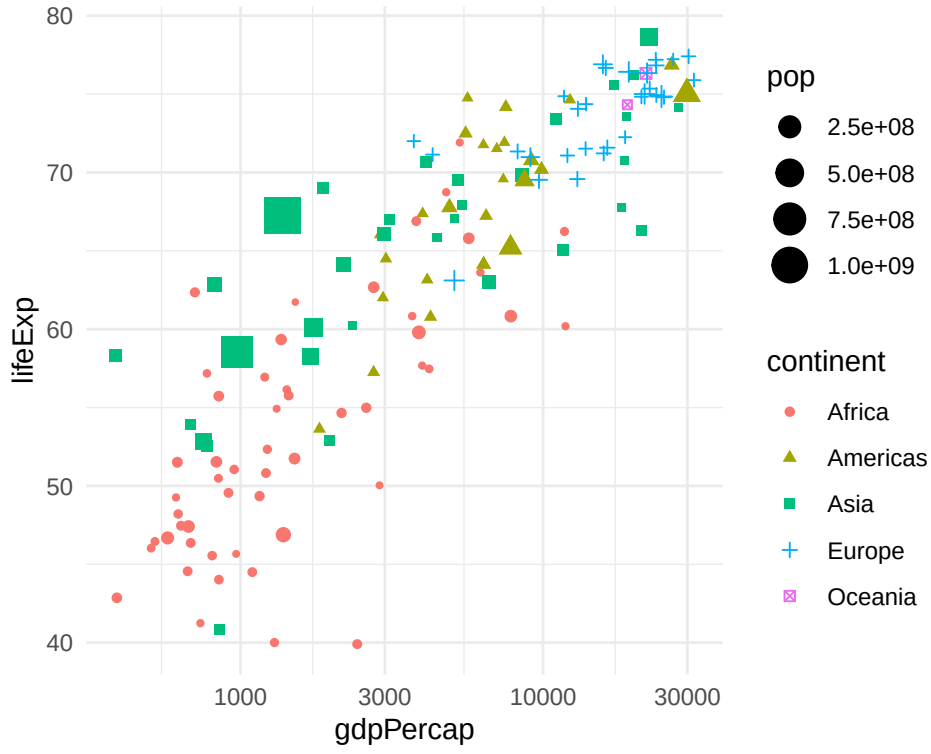
```
gap <- read.csv(here("data/gapminder.csv"))
```

Tasks

Scatter plot

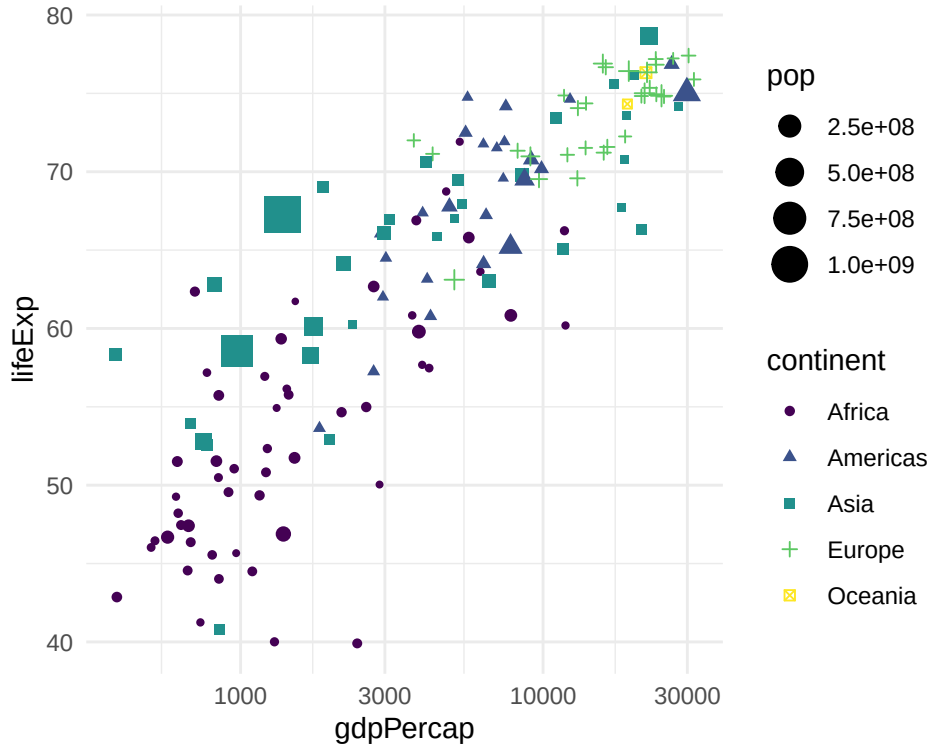
```
gap_1987 <- gap %>%
  filter(year == "1987")

gap_1987 %>%
  ggplot(aes(x = gdpPercap, y = lifeExp, color = continent, shape = continent, size = pop)) +
  geom_point()+
  scale_x_log10()+
  theme_minimal()
```



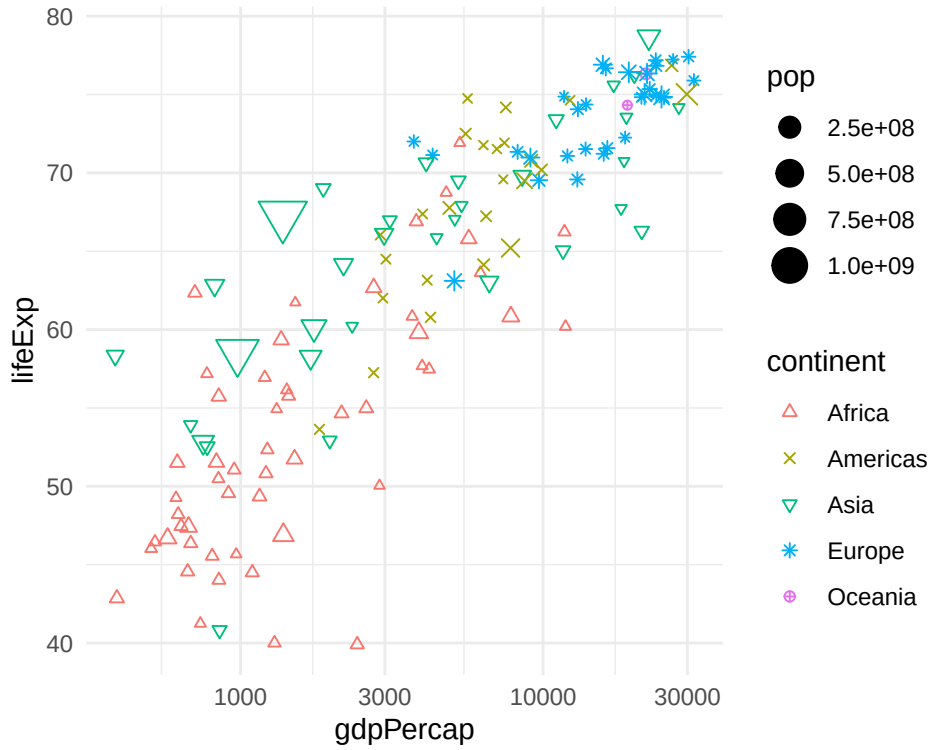
2.Change colors and shapes of the point Colors

```
gap_1987 %>%
  ggplot(aes(x = gdpPercap, y = lifeExp, color = continent, shape = continent, size = pop)) +
  geom_point()+
  scale_x_log10()+
  scale_color_viridis_d()+
  theme_minimal()
```

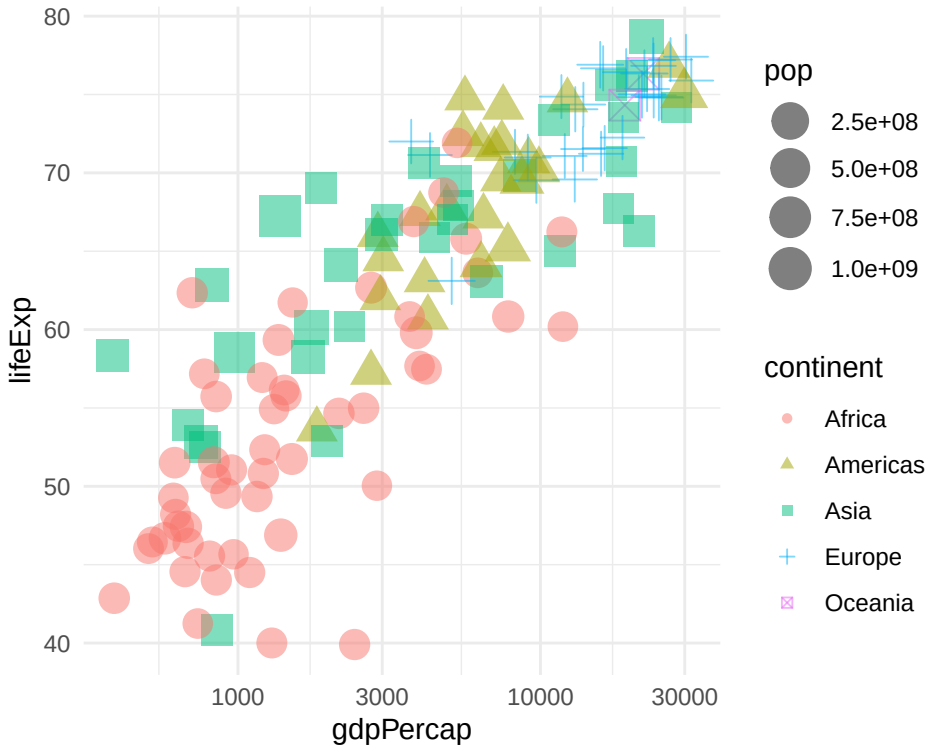


Shapes

```
gap_1987 %>%
  ggplot(aes(x = gdpPercap, y = lifeExp, color = continent, shape = continent, size = pop)) +
  geom_point()+
  scale_x_log10()+
  scale_shape_manual(values = c(2,4,6,8,10))+
  theme_minimal()
```

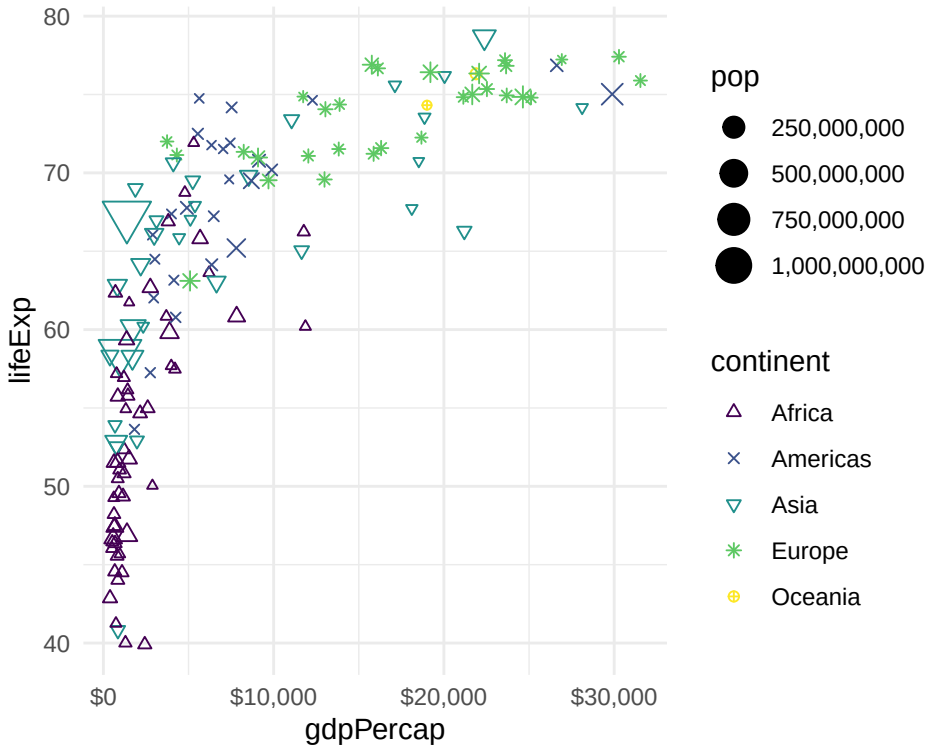



```
gap_1987 %>%
  ggplot(aes(x = gdpPercap, y = lifeExp, color = continent, shape = continent, size = pop)) +
  geom_point(alpha = 0.5)+
  scale_x_log10()+
  scale_size_continuous(range = c(5,7))+
  theme_minimal()
```



3. Changing the size

```
gap_1987 %>%
  ggplot(aes(x = gdpPercap, y = lifeExp,color = continent, shape = continent, size = pop)) +
  geom_point()+
  scale_color_viridis_d()+
  scale_shape_manual(values = c(2,4,6,8,10))+
  scale_size_continuous(labels = label_comma())+
  scale_x_continuous(labels = label_dollar())+
  theme_minimal()
```



4. Reform the text in the plot