

LAB 42 (MD)

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LABORATORIO - Gráficos en R con ggplot2 para Ciencia de Datos

EDITAR CON TEMAS DE GGPLOT2

Instalando paquete con los datos

```
install.packages("gapminder")
```

```
install.packages("ggplot2")
```

Cargar libreria ggplot2 y gapminder

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

```
## Warning: package 'gapminder' was built under R version 3.5.3
```

Cargando datos a entorno

```
data("gapminder")
```

Filtrando por año 2007

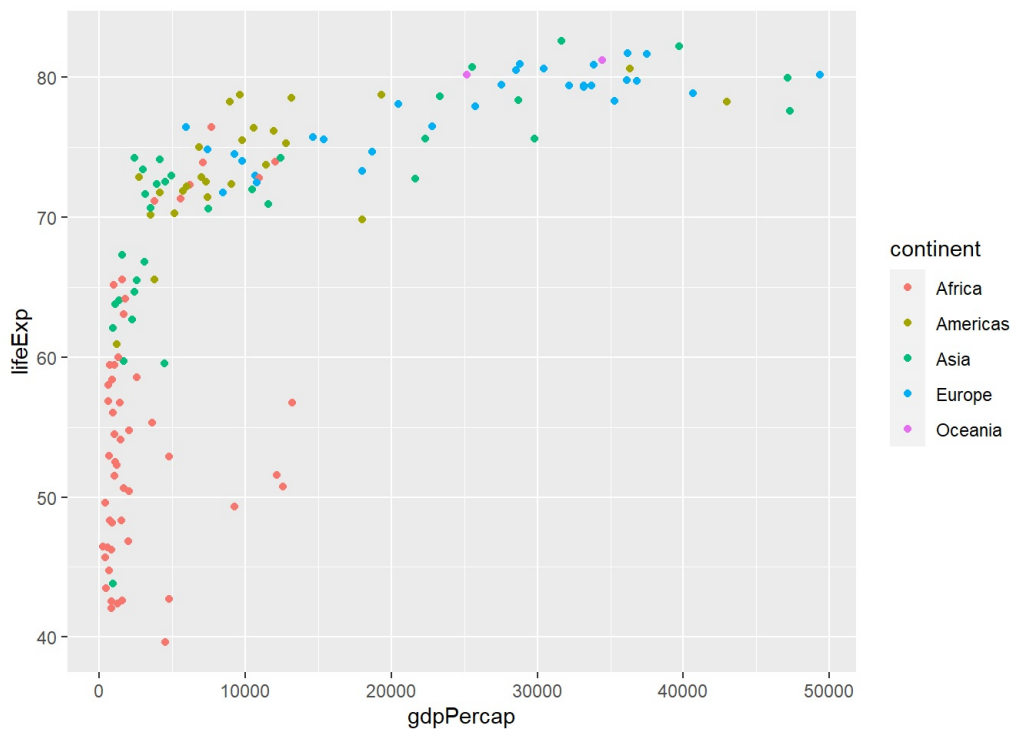
```
gapminder2007 <- gapminder[gapminder$year == '2007', ]
```

Haciendo grafica de puntos

```
p1 <- ggplot(data = gapminder2007,
             mapping = aes(x = gdpPercap,
                           y = lifeExp,
                           color = continent)) +
  geom_point()
```

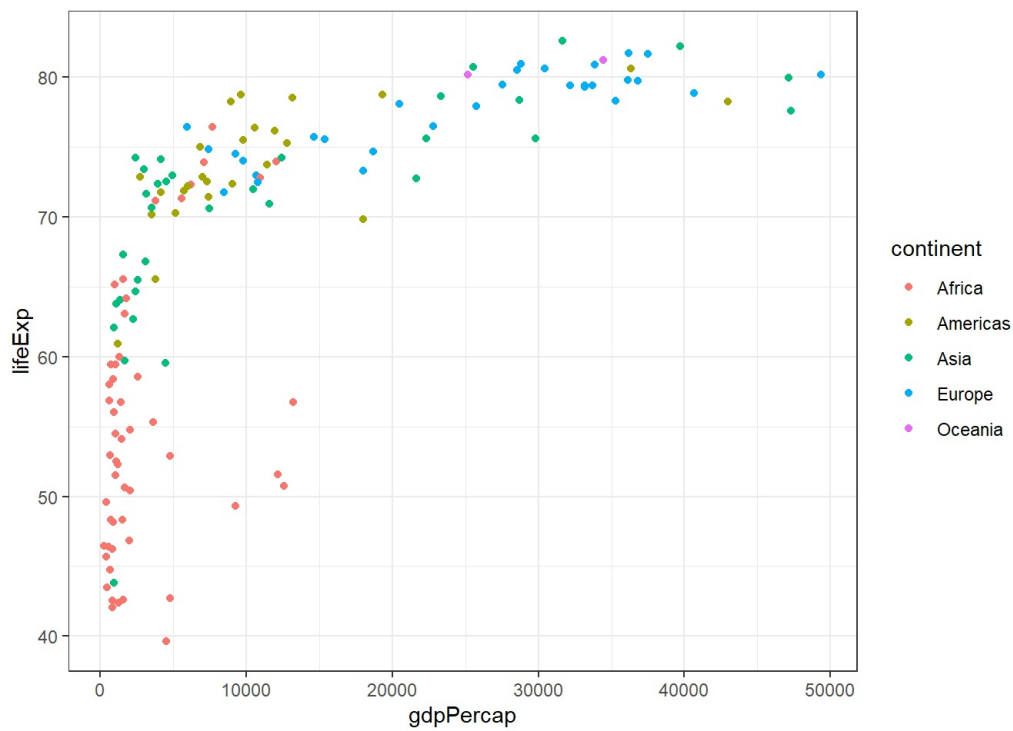
Ver p1

```
p1
```

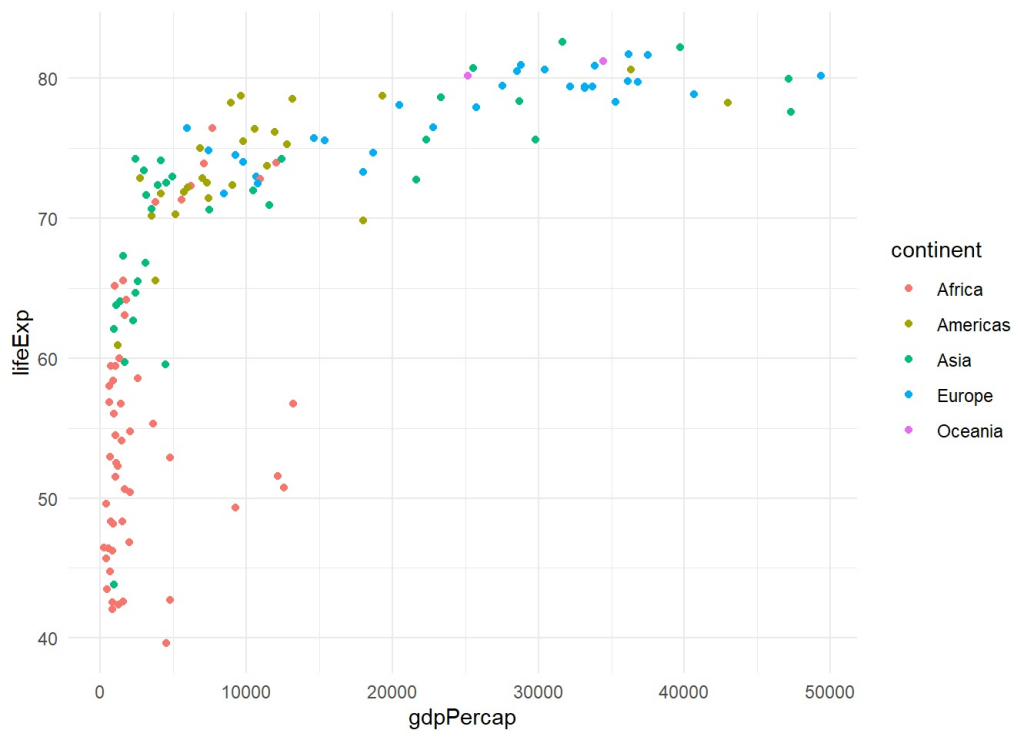


Temas básicos

```
p1 + theme_bw()
```



```
p1 + theme_minimal()
```

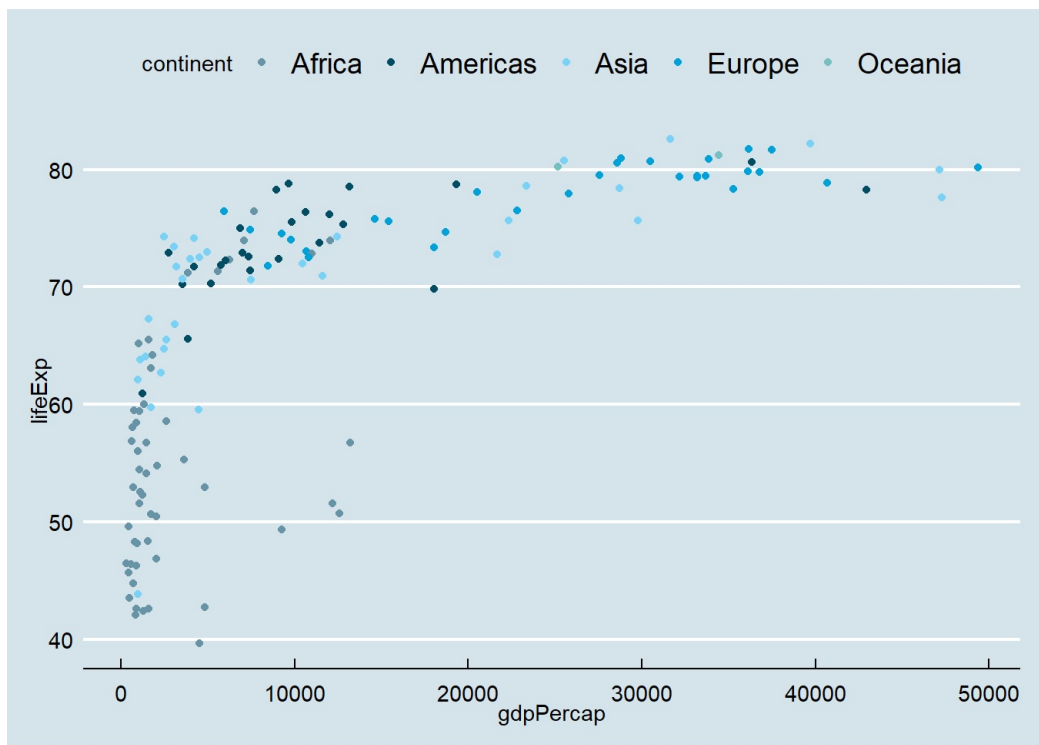


Mas temas `install.packages('ggthemes')`

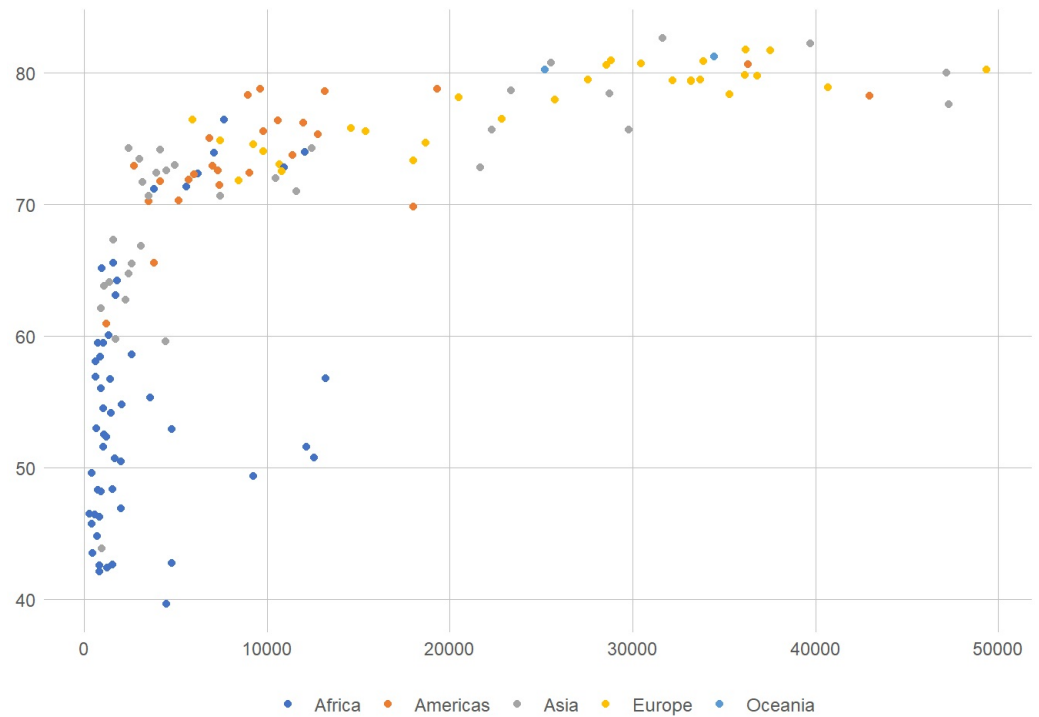
```
library(ggthemes)
```

Temas y colores

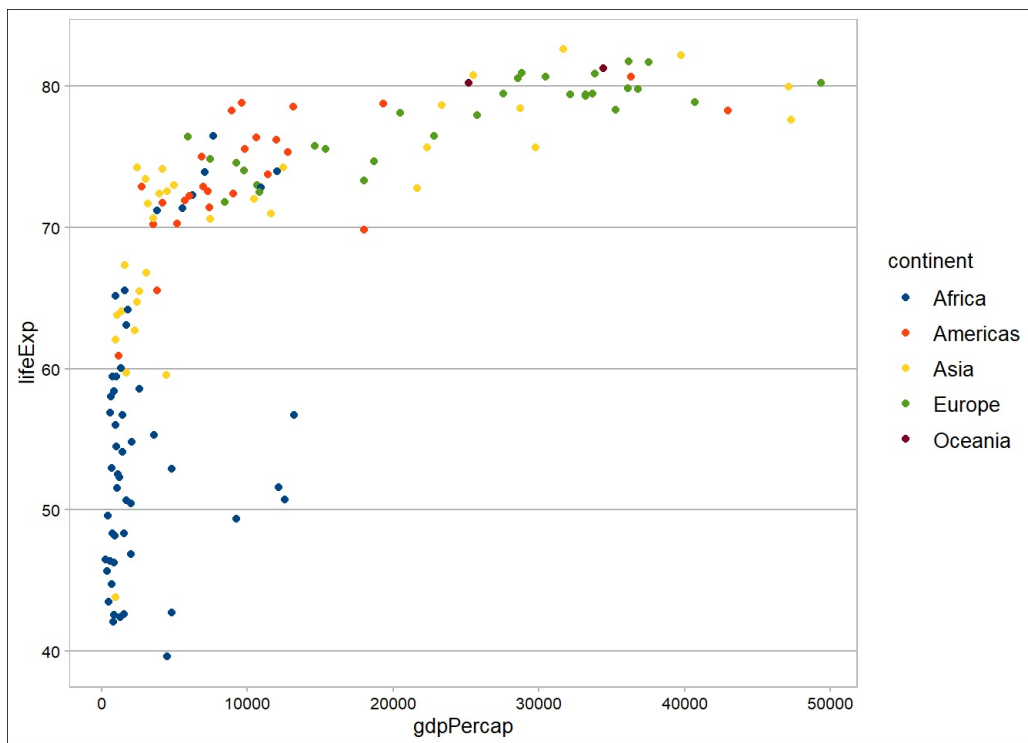
```
p1 + theme_economist() + scale_color_economist()
```



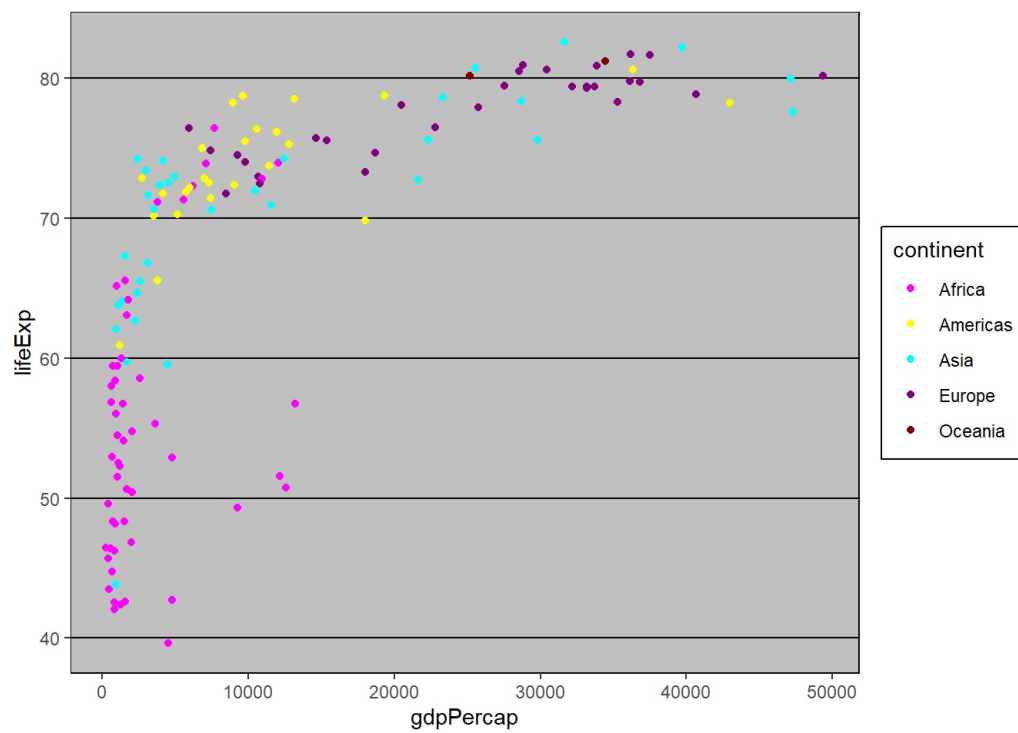
```
p1 + theme_excel_new() + scale_color_excel_new()
```



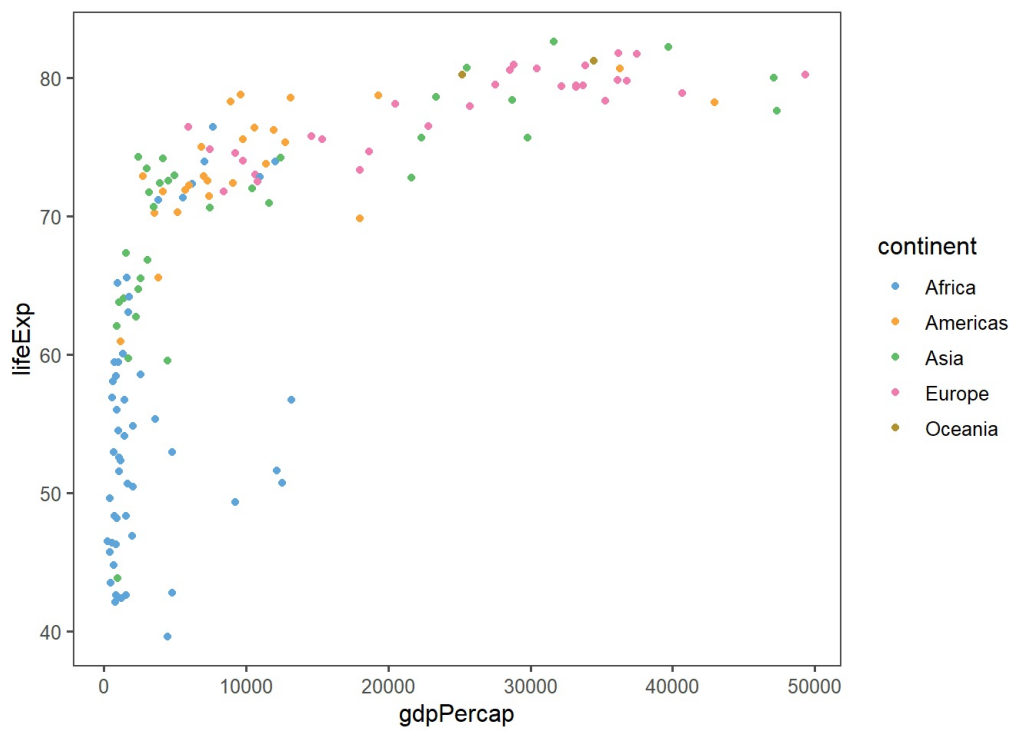
```
p1 + theme_calc() + scale_color_calc()
```



```
p1 + theme_excel() + scale_color_excel()
```



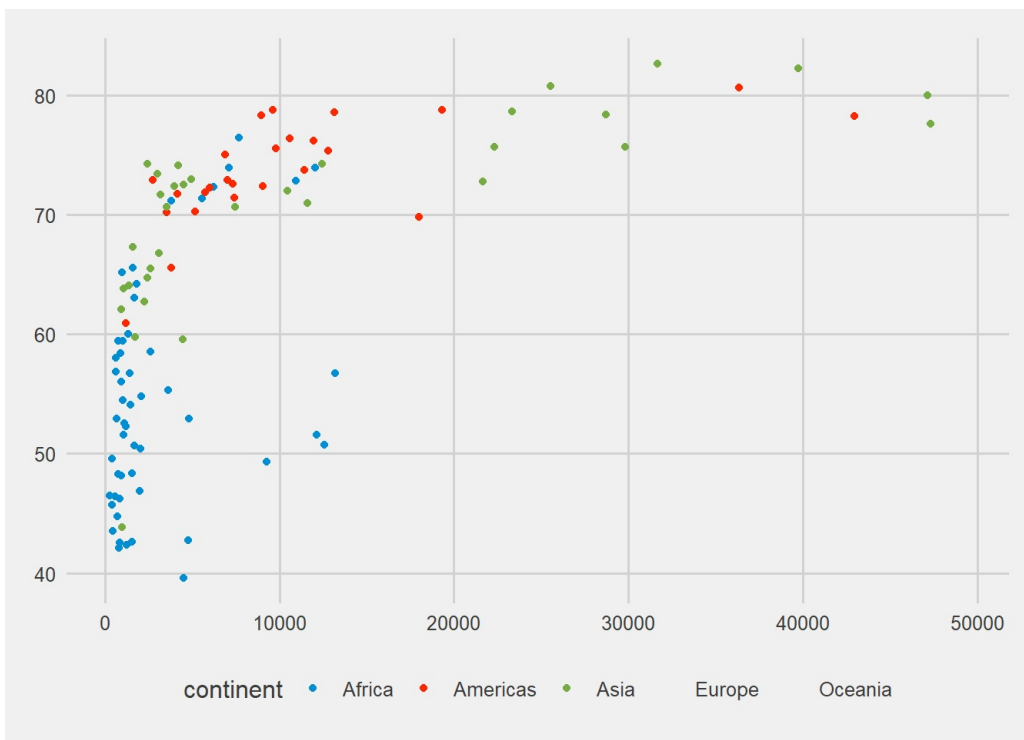
```
p1 + theme_few() + scale_color_few()
```



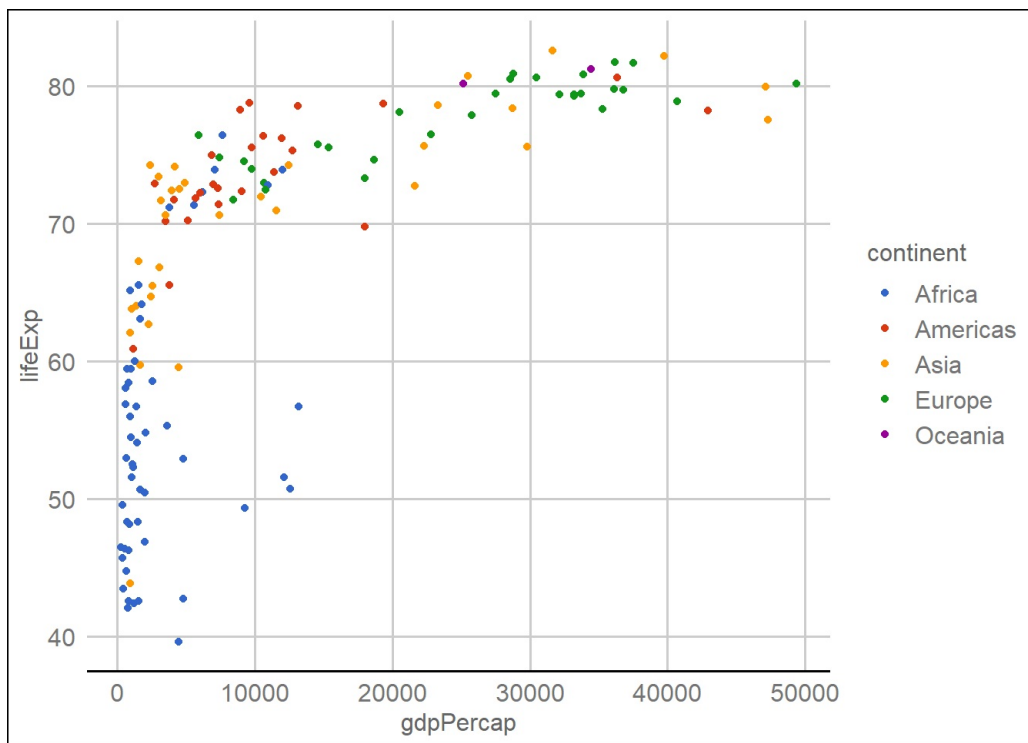
```
p1 + theme_fivethirtyeight() + scale_color_fivethirtyeight()
```

```
## Warning: This manual palette can handle a maximum of 3 values. You have supplied
## 5.
```

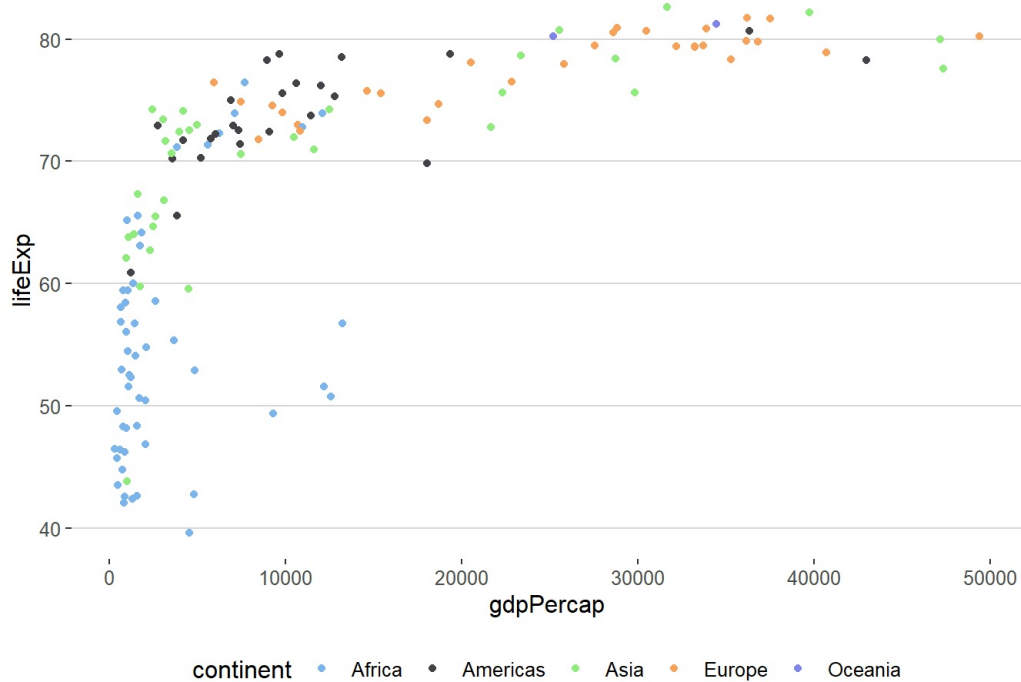
```
## Warning: Removed 32 rows containing missing values (geom_point).
```



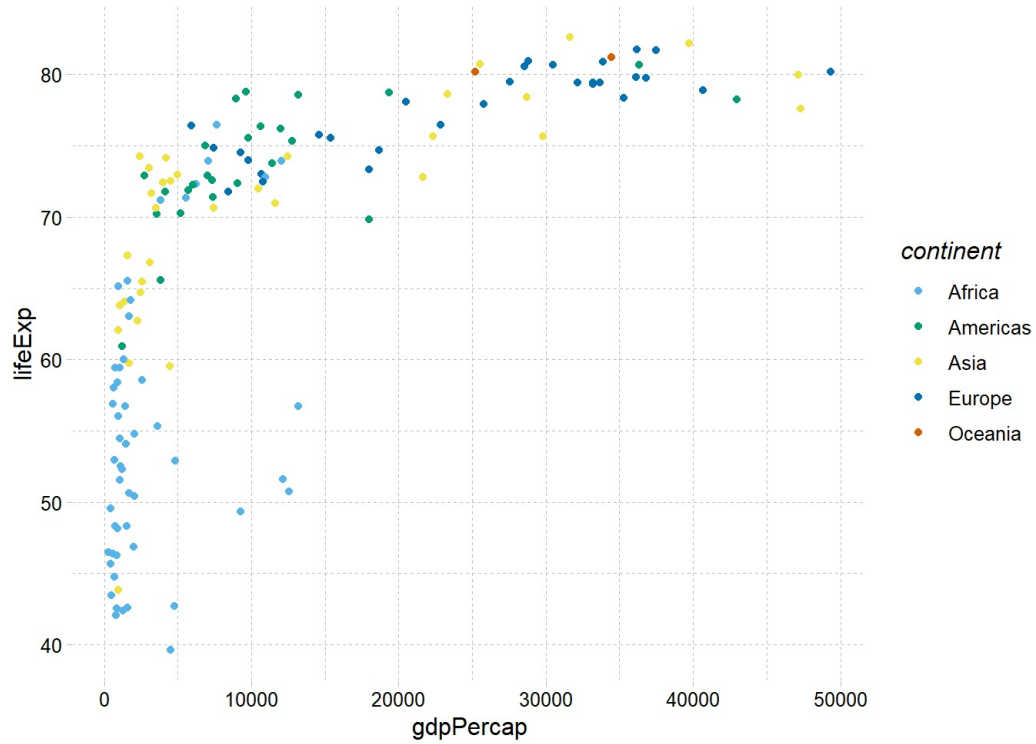
```
p1 + theme_gdocs() + scale_color_gdocs()
```



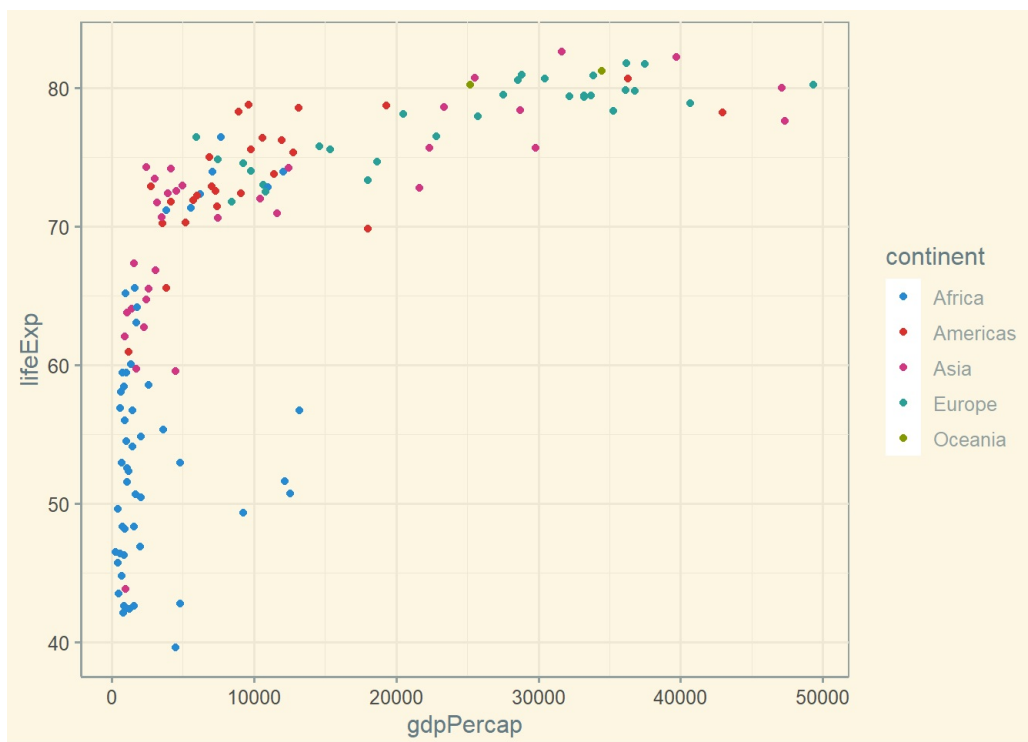
```
p1 + theme_hc() + scale_color_hc()
```



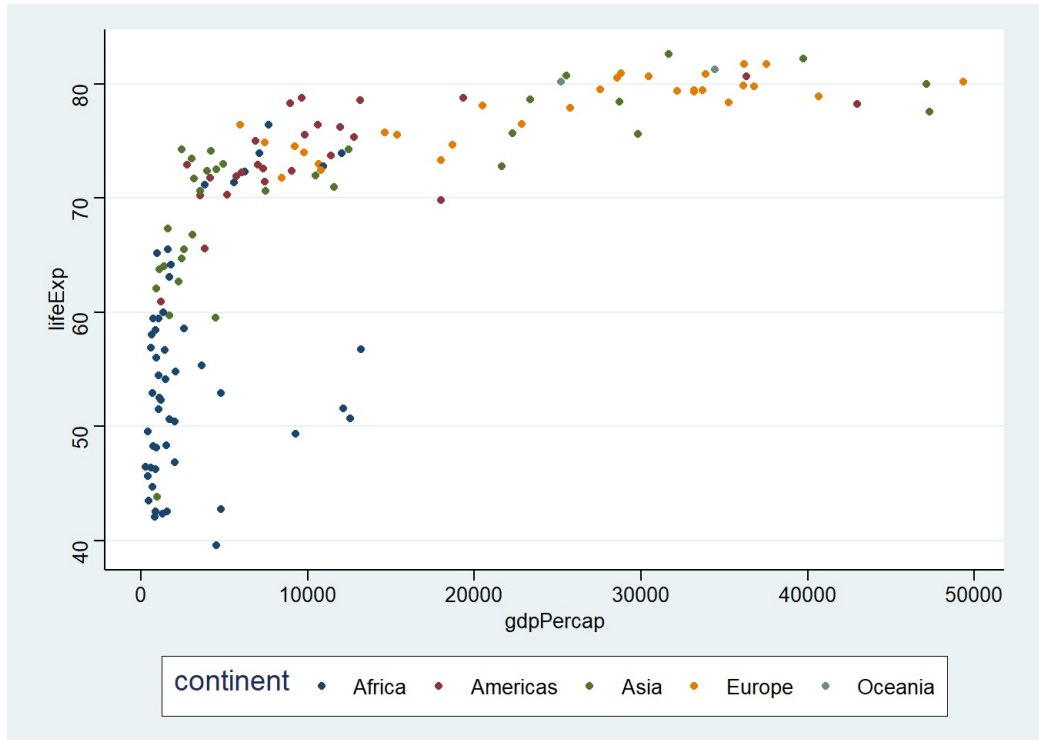
```
p1 + theme_pander() + scale_color_pander()
```



```
p1 + theme_solarized() + scale_color_solarized()
```



```
p1 + theme_stata() + scale_color_stata()
```



```
p1 + theme_wsj() + scale_color_wsj()
```

