

Laboratorio53-MD

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2023-03-16

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Laboratorio 53- Editando temas de los graficos con ggplot2

Instalar paqueterias `install.packages("gapminder")` `install.packages("ggplot2")`

Llamar la librerias

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

Cargar los datos al entorno

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

Filtrado por año 2007

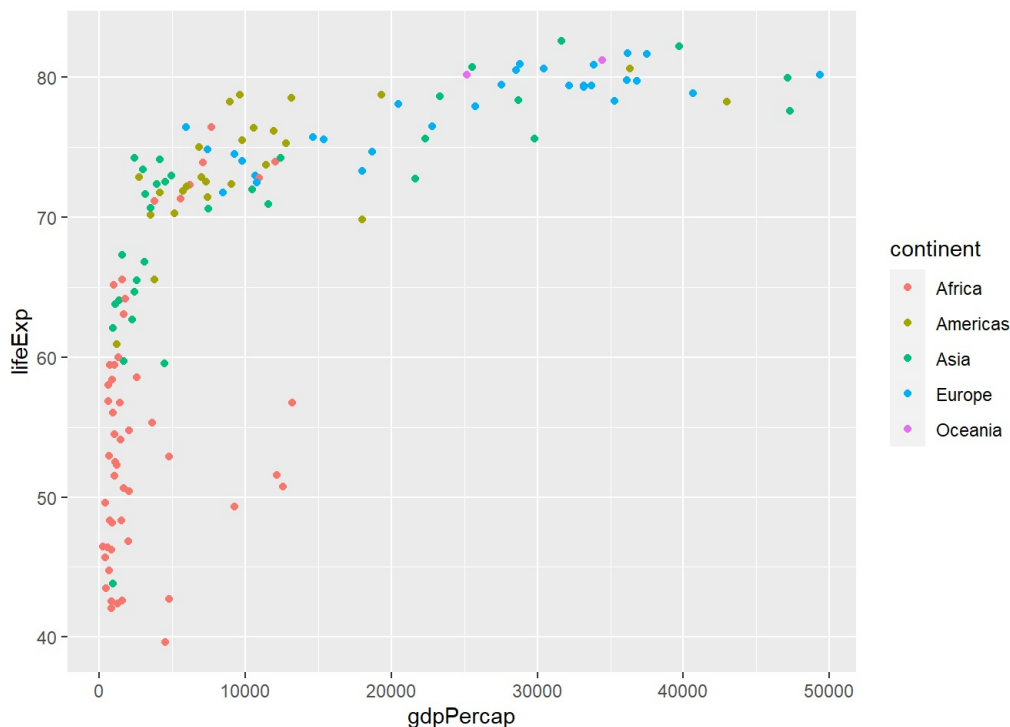
```
gapminder2007 <- gapminder[gapminder$year == '2007',]
```

Escala continua (variable continua) Grafico de puntos por poblacion

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

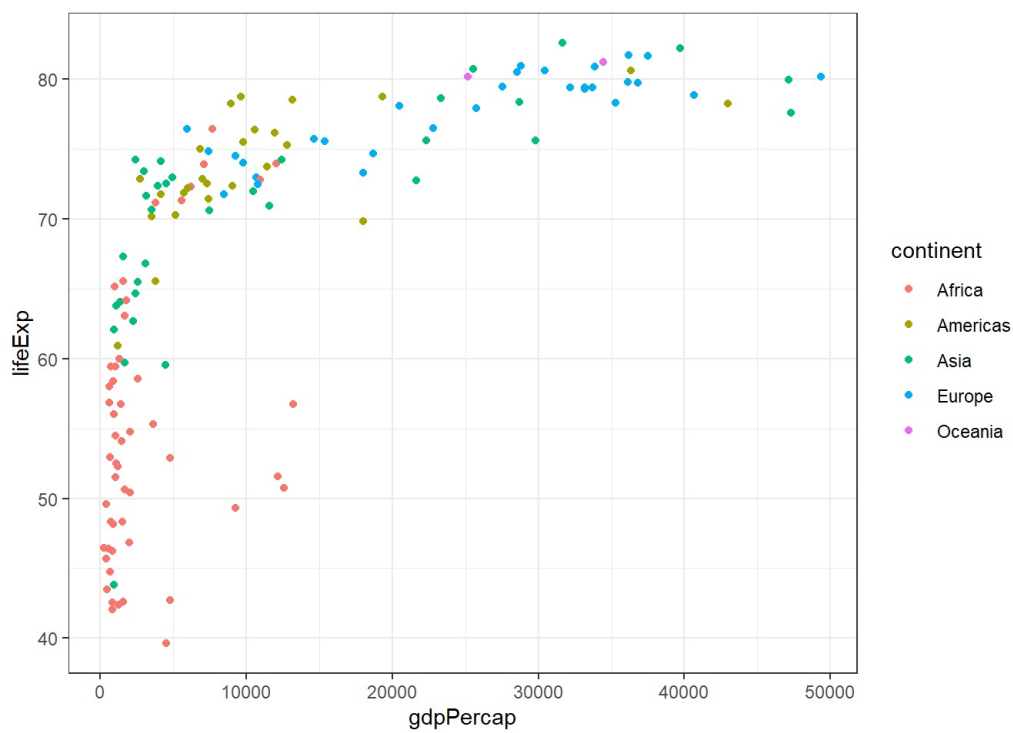
Ver el grafico

```
p1
```

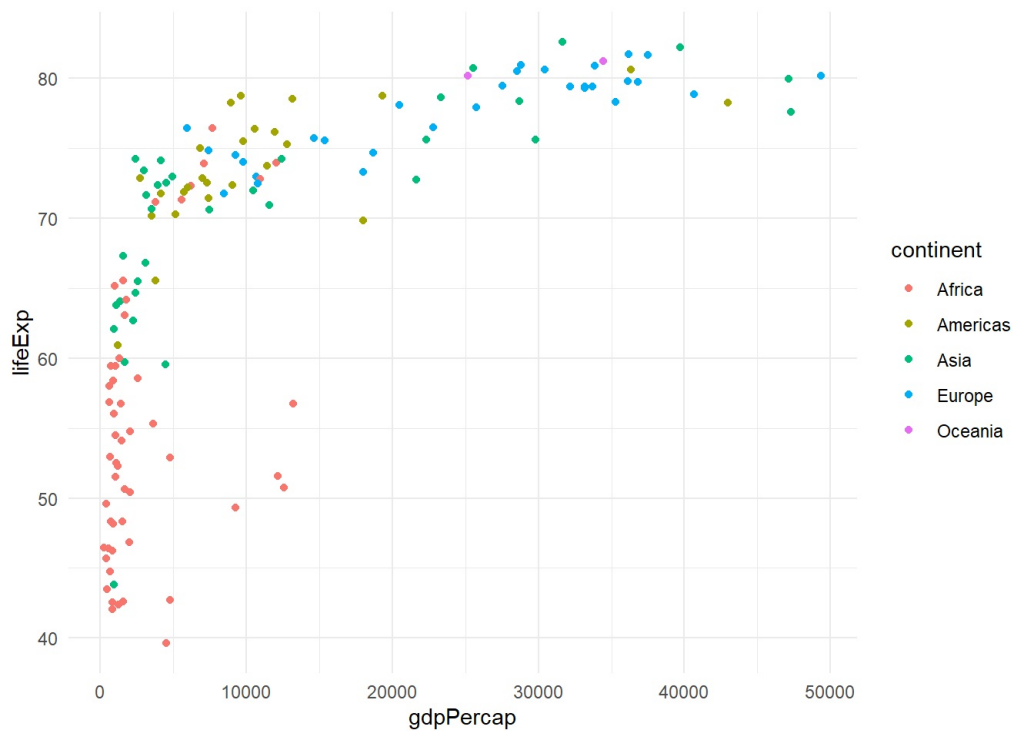


Utilizar temas basicos en ggplot

```
p1 + theme_bw()
```



```
p1 + theme_minimal()
```



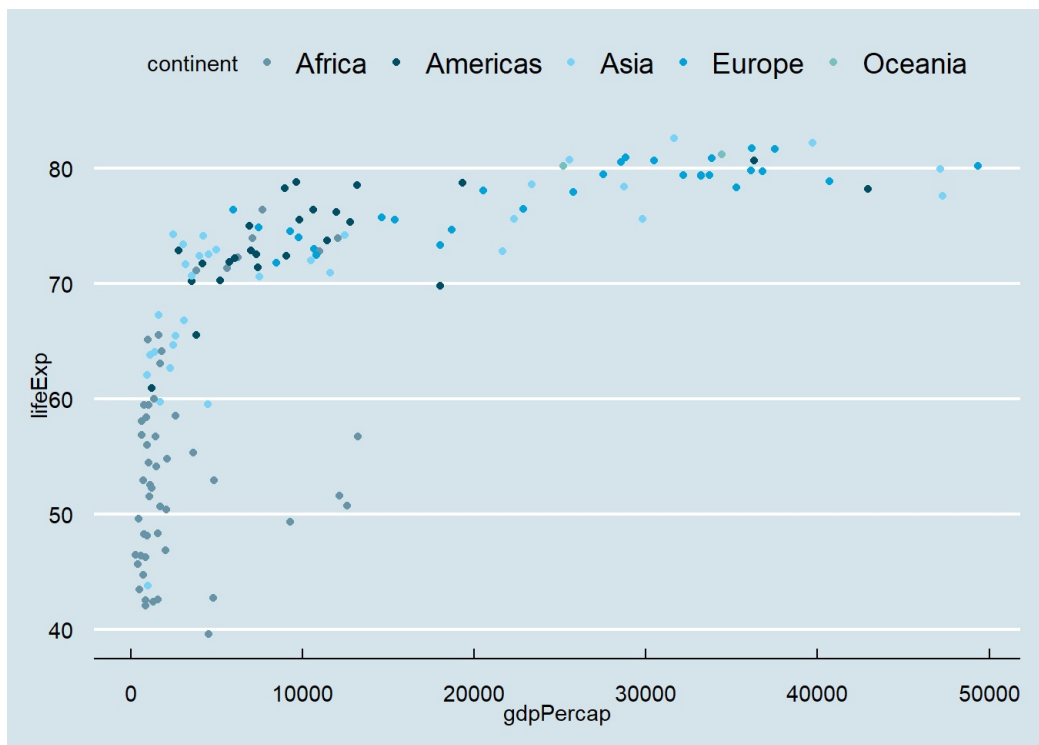
Para acceder a mas temas instalar siguiente paqueteria `install.packages('ggthemes')`

Llamar a la libreria

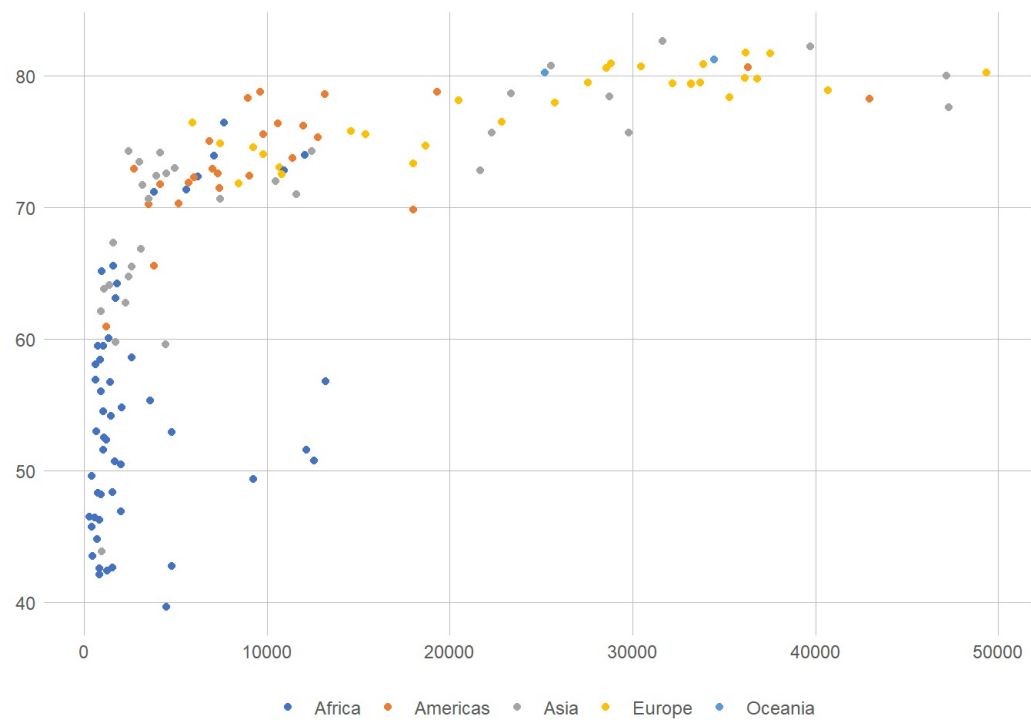
```
library(ggthemes)
```

Utilizar los nuevos temas y colores disponibles

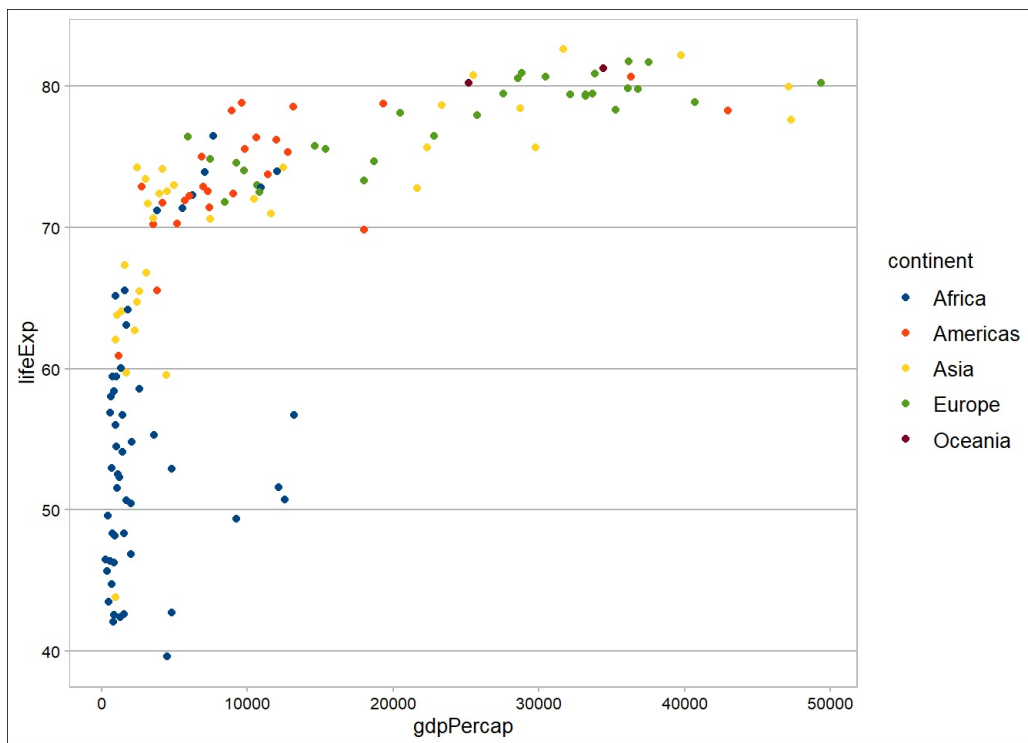
```
p1 + theme_economist() + scale_color_economist()
```



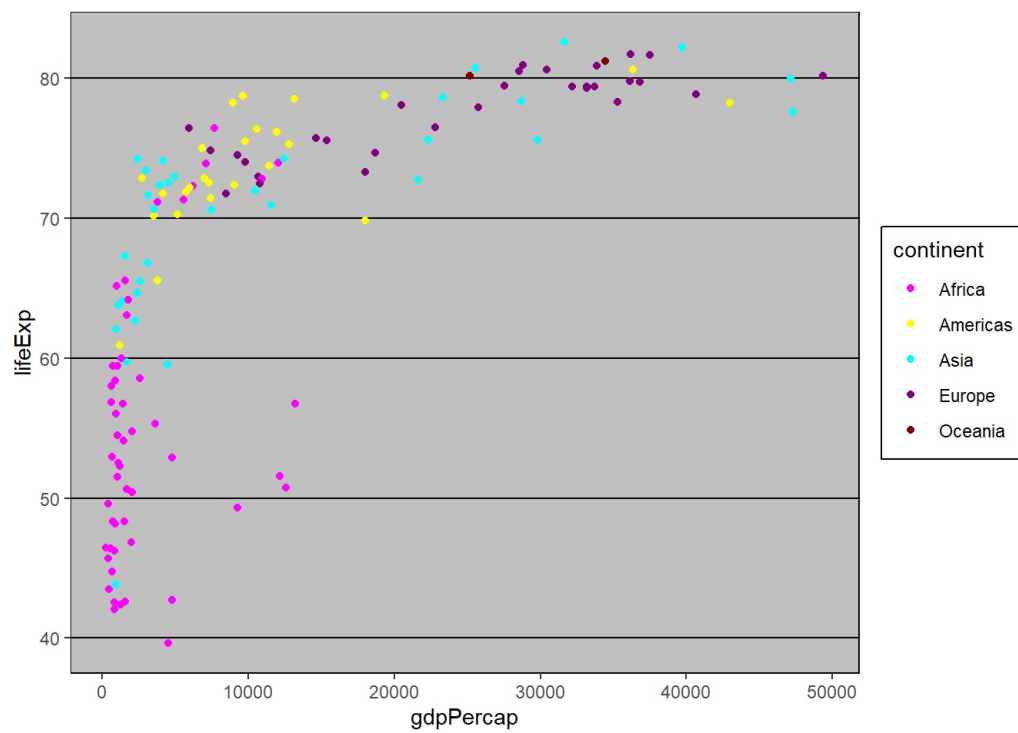
```
p1 + theme_excel_new() + scale_color_excel_new()
```



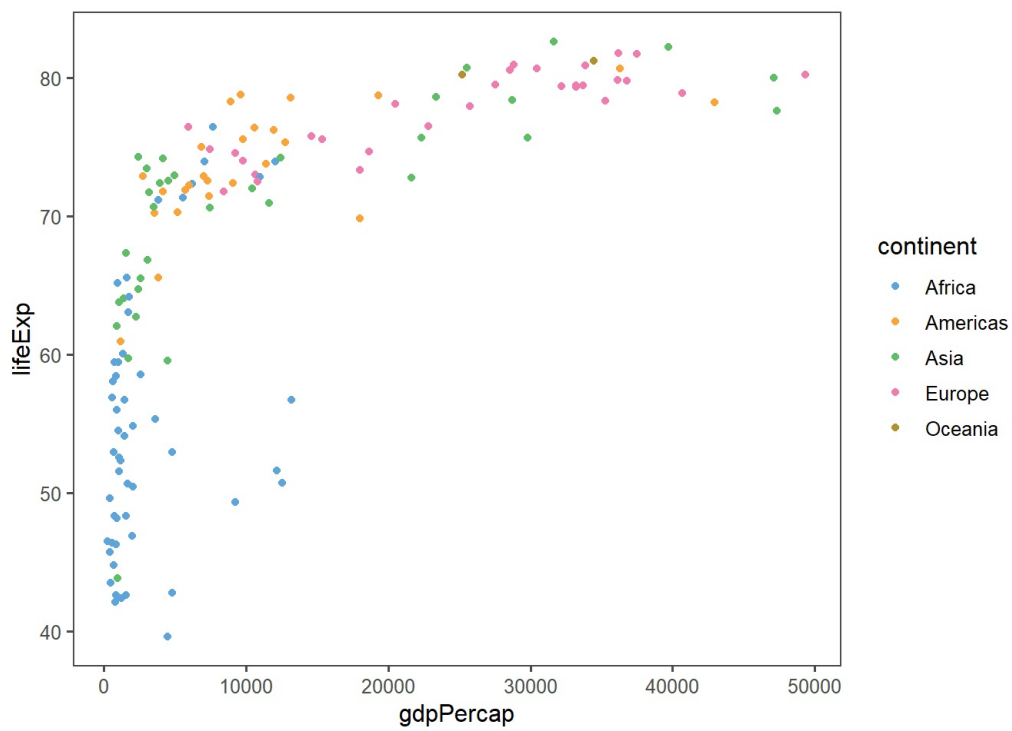
```
p1 + theme_calc() + scale_color_calc()
```



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



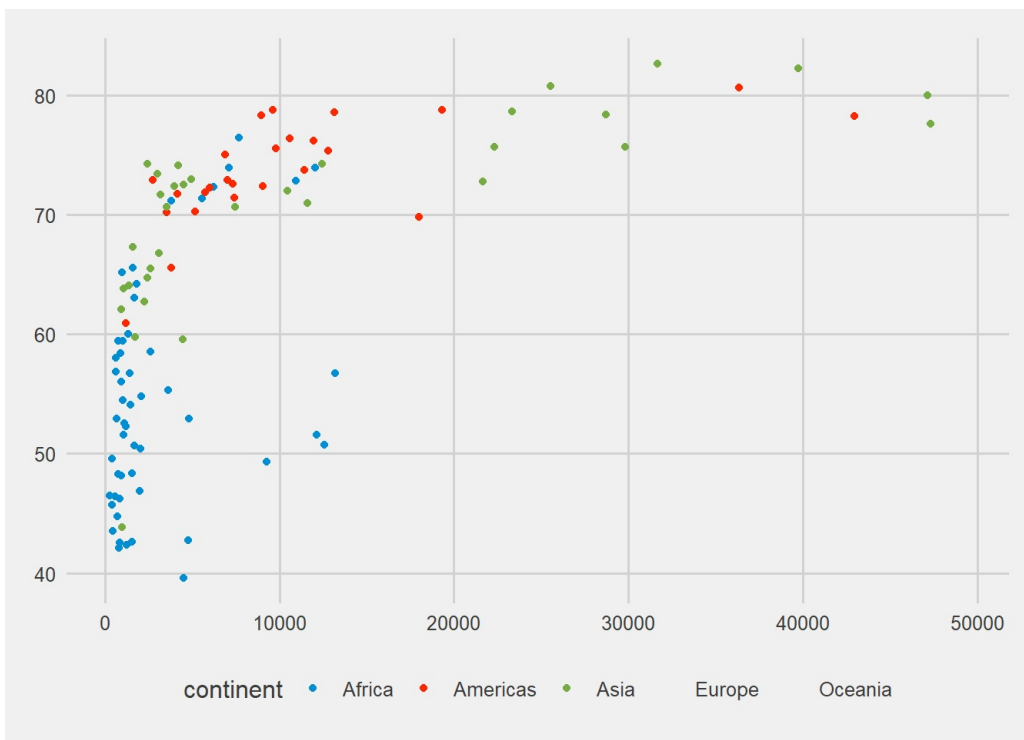
```
p1 + theme_few() + scale_color_few()
```



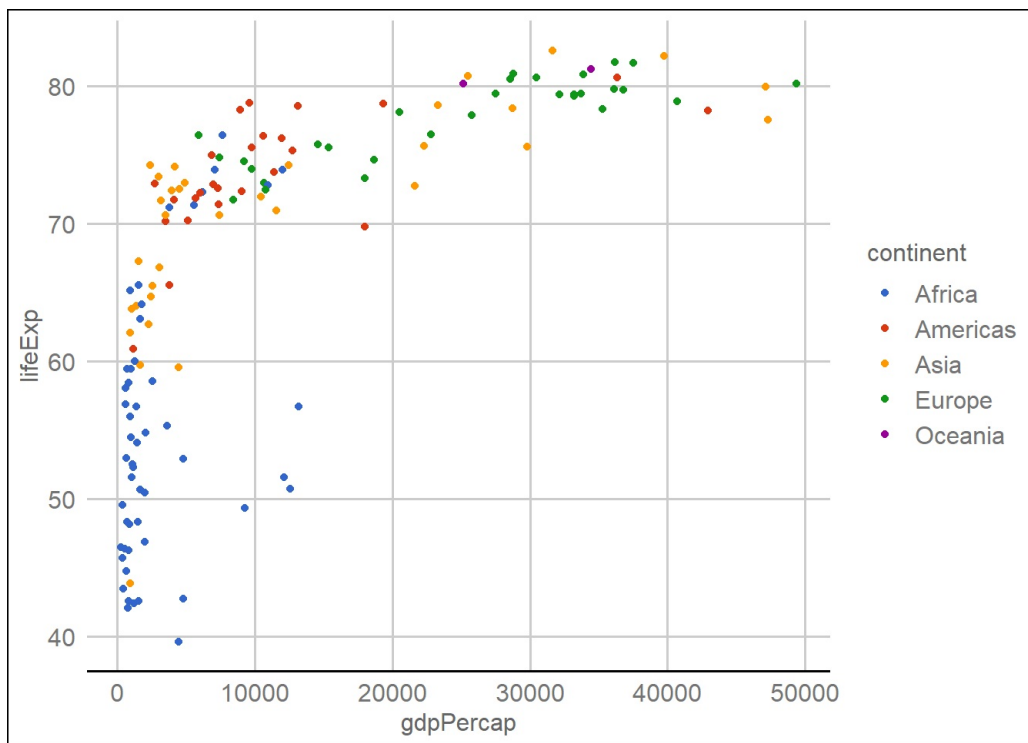
```
p1 + theme_fivethirtyeight() + scale_color_fivethirtyeight()
```

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

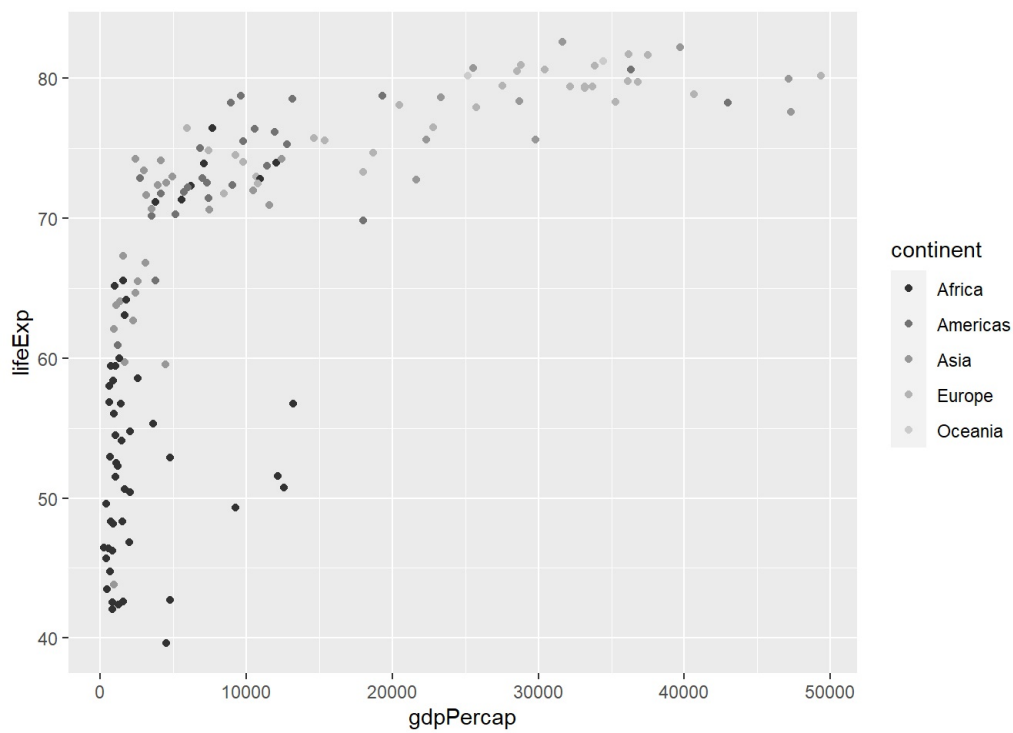
```
## Warning: Removed 32 rows containing missing values (`geom_point()`).
```



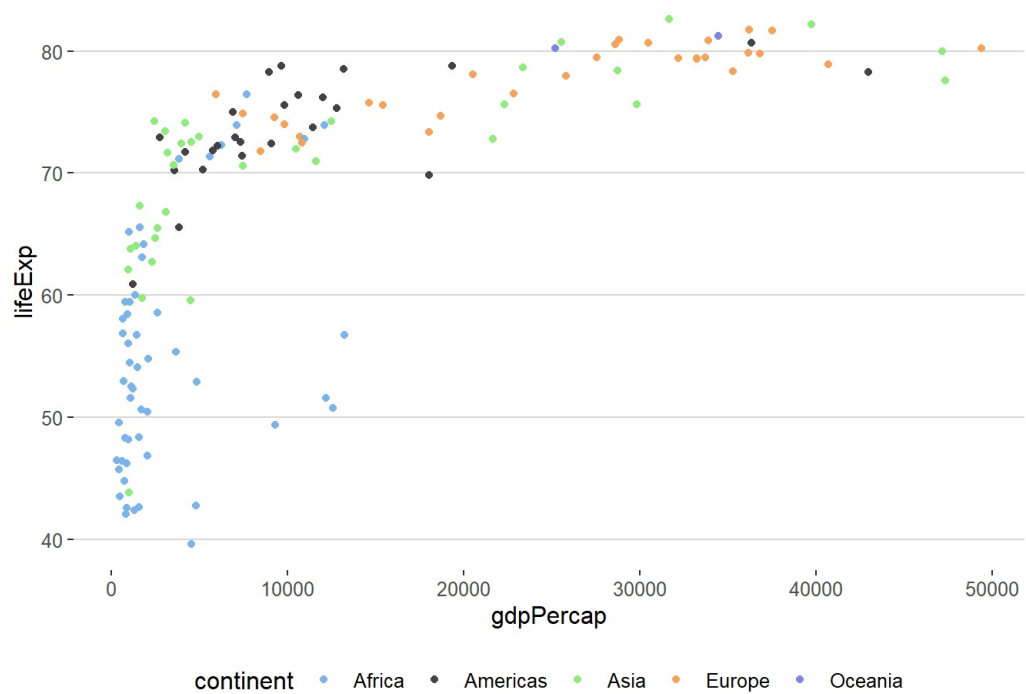
```
p1 + theme_gdocs() + scale_color_gdocs()
```



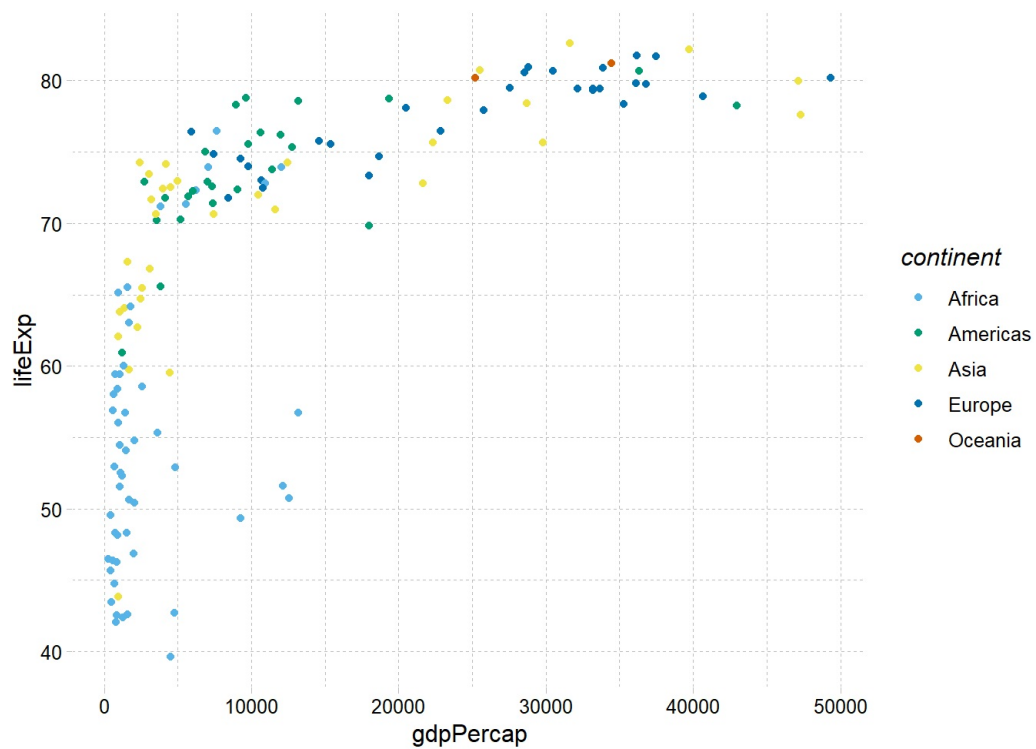
```
p1 + theme_grey() + scale_color_grey()
```



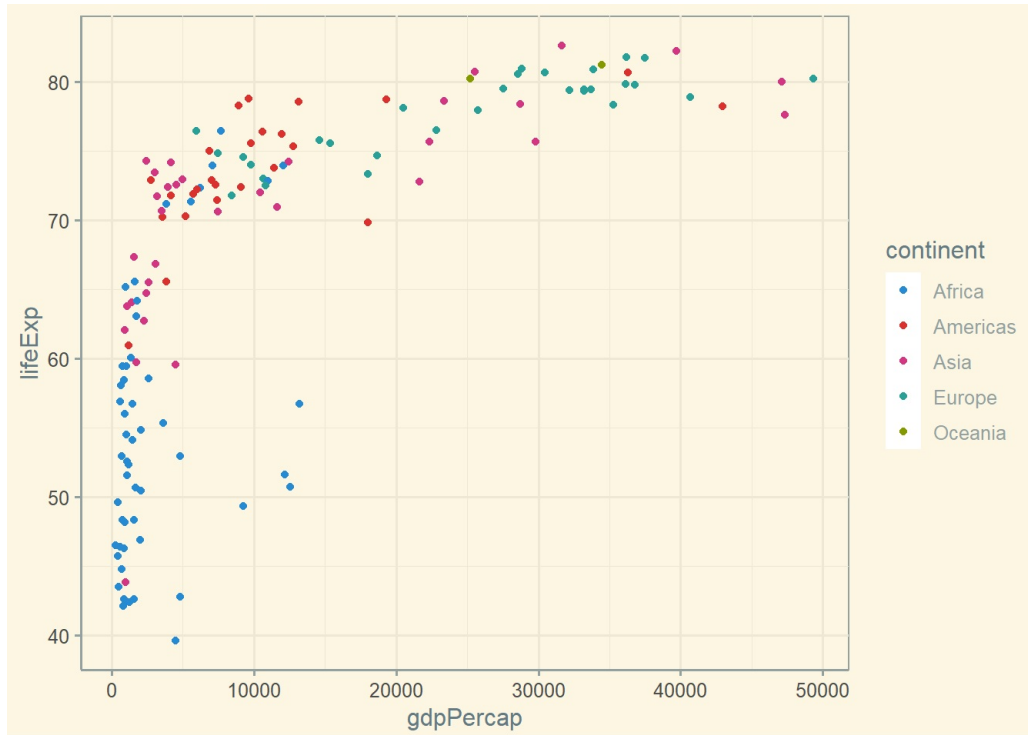
```
p1 + theme_hc() + scale_color_hc()
```



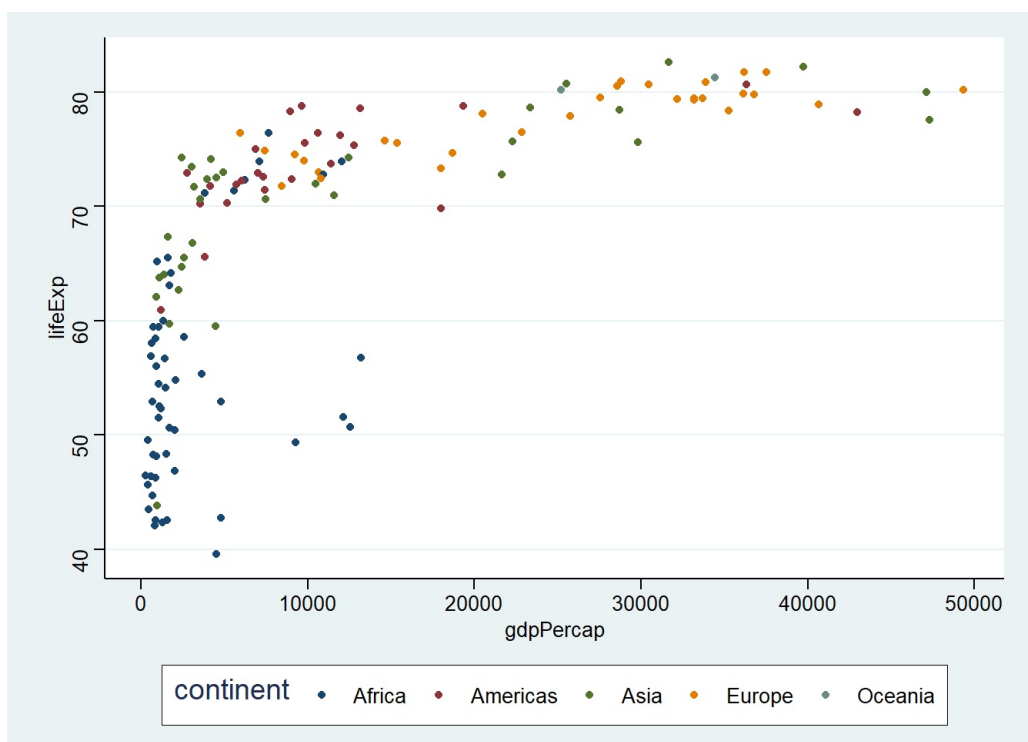
```
p1 + theme_pander() + scale_color_pander()
```



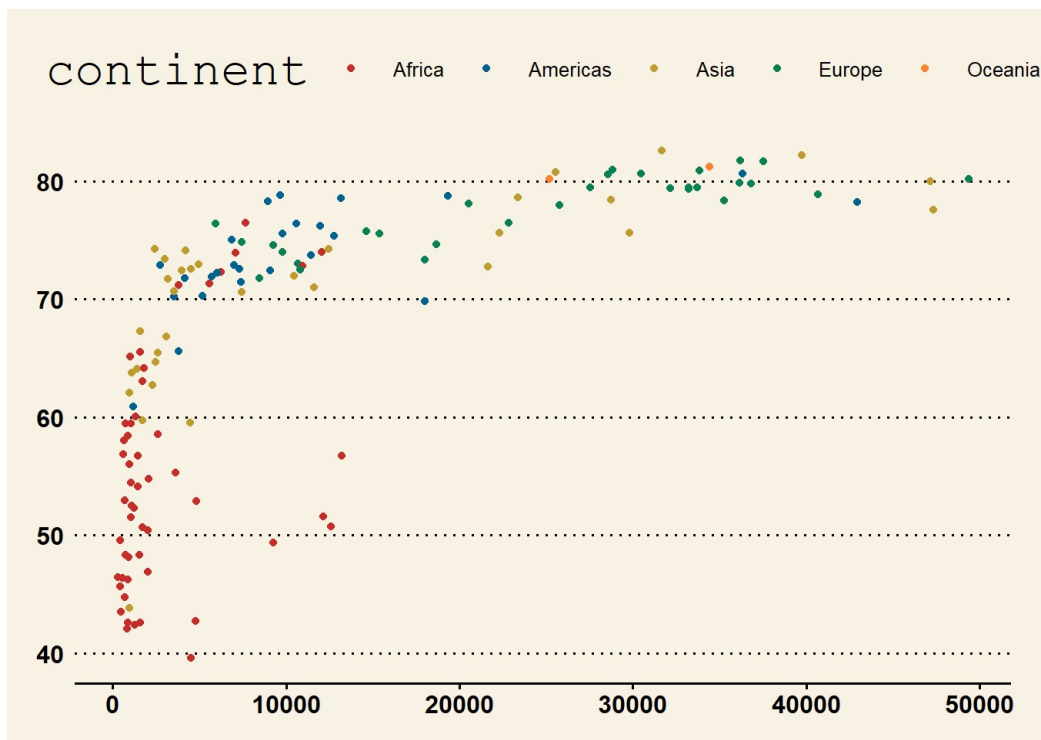
```
p1 + theme_solarized() + scale_color_solarized()
```



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



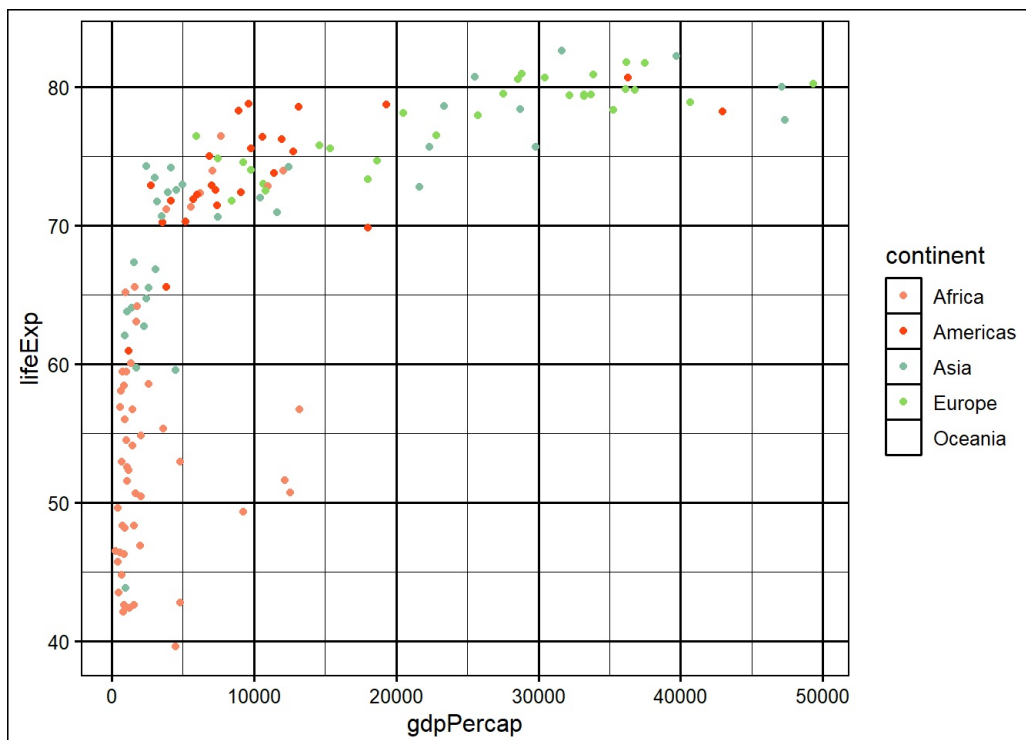
```
p1 + theme_wsj() + scale_color_wsj()
```

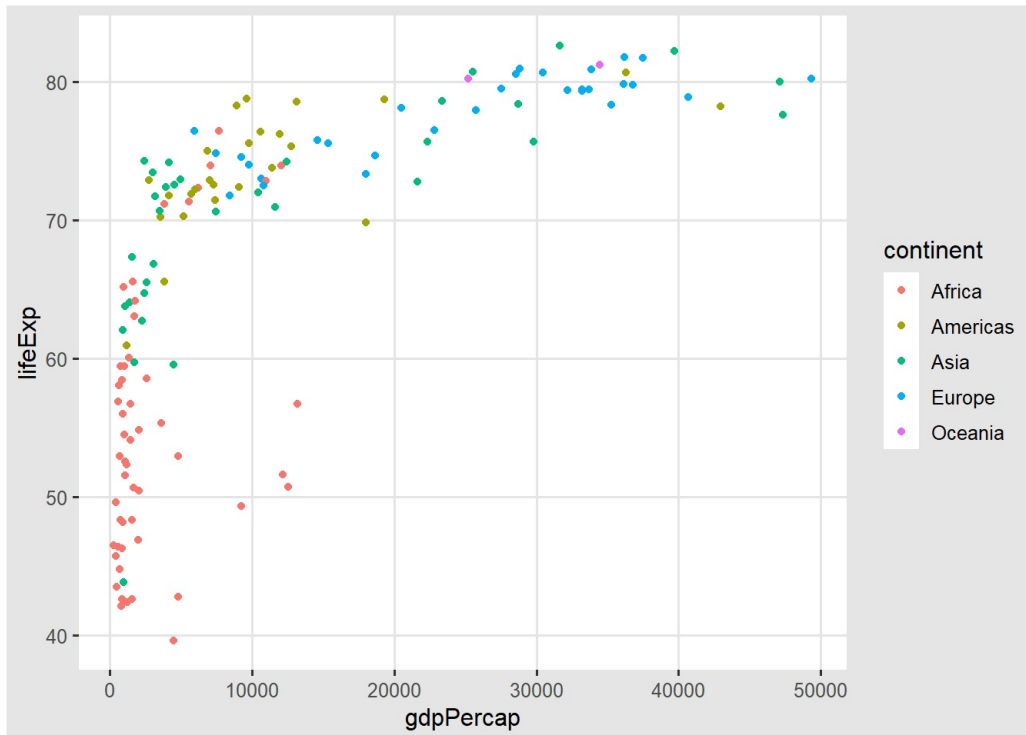
```
p1 + theme_foundation() + scale_color_canva()
```

```
## Warning: This manual palette can handle a maximum of 4 values. You have supplied
## 5.
```

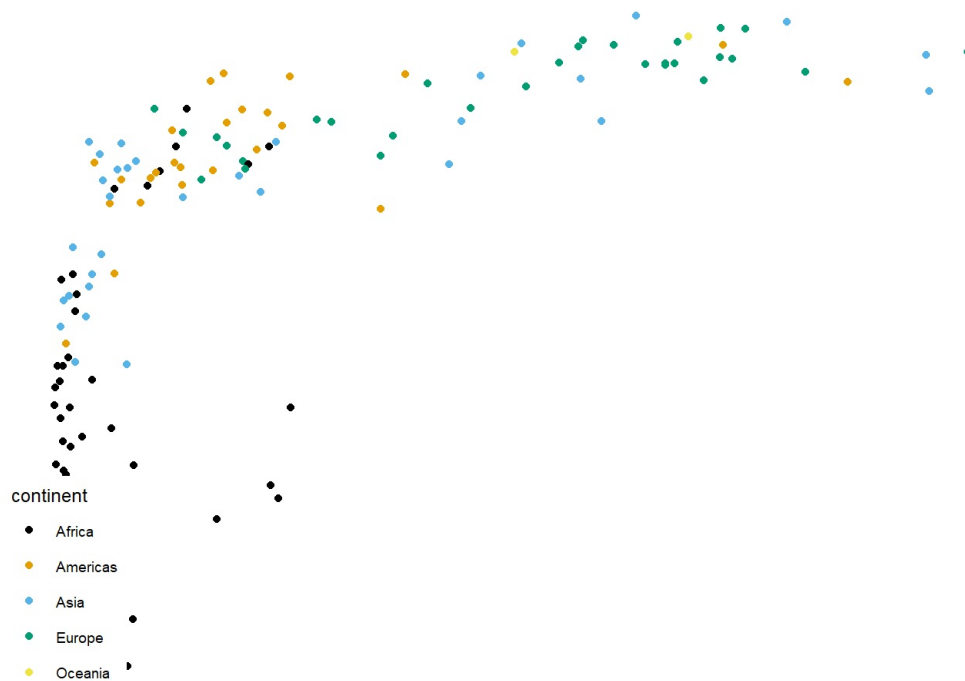
```
## Warning: Removed 2 rows containing missing values (`geom_point()`).
```



```
p1 + theme_igray()
```



```
p1 + theme_map() + scale_color_colorblind()
```



```
p1 + theme_solarized_2() + scale_color_discrete()
```

