

title: "LABS_54"

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output: html_document

LABORATORIO DE EJEMPLOS EN R

#####

CREADO POR JESSICA PAOLA AGUILAR SERVIN EJEMPLOS DE VISUALIZACIÓN EN R

EJEMPLO DE ETIQUETAS UNO LLAMAR PAQUETERIAS `install.packages("ggplot2")`

```
library(ggplot2)
```

INSTALAR PAQUETERIA `install.packages("maps")`

```
library(maps)
```

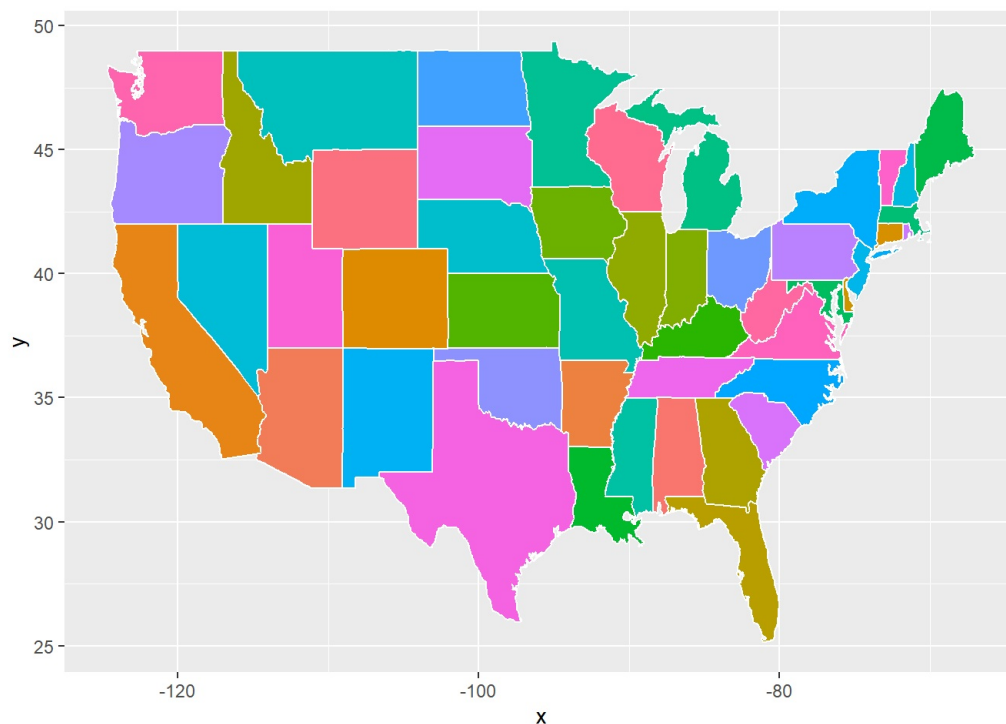
TRAZAR MAPA DE USA

```
df <- data.frame(x = state.center$x, y = state.center$y,  
                 state = state.name)  
  
p <- ggplot(df, aes(x = x, y = y)) +  
  geom_polygon(data = map_data("state"),  
              color = "white",  
              aes(x = long, y = lat,  
                  fill = map_data("state")$region,  
                  group = group)) +  
  guides(fill = FALSE)
```

```
## Warning: The `<scale>` argument of `guides()` cannot be `FALSE`. Use "none" instead as  
## of ggplot2 3.3.4.
```

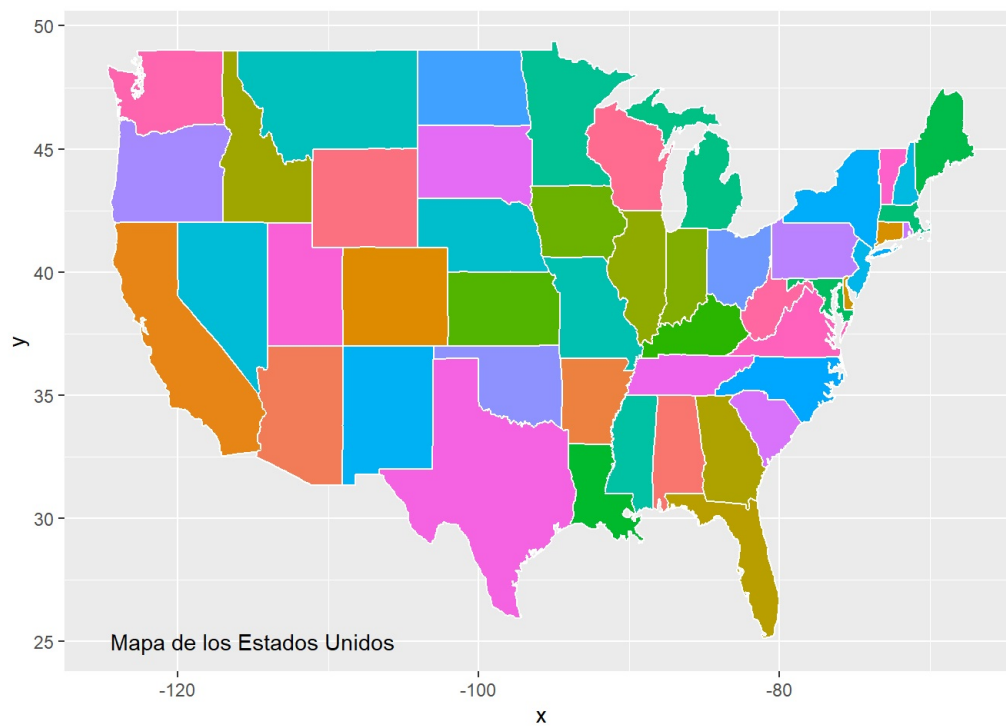
VER P

p



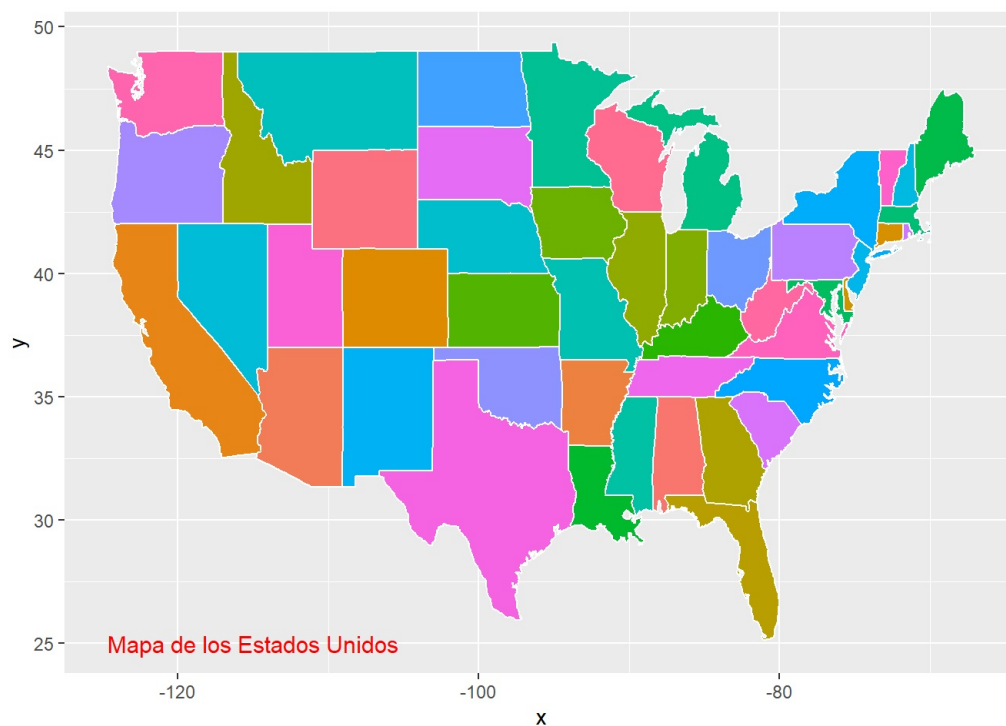
TITULO DEL MAPA

```
p +  
  geom_text(aes(x = -115, y = 25,  
                label = "Mapa de los Estados Unidos"),  
            stat = "unique")
```



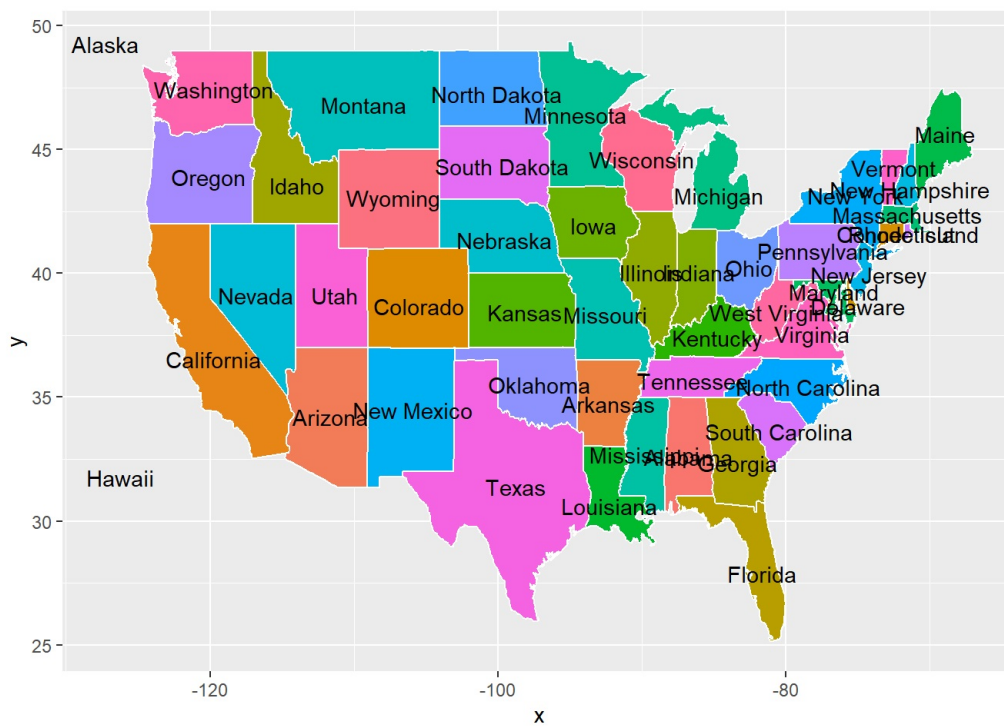
MODIFICA COLOR DE TITULO

```
p +
  geom_text(aes(x = -115, y = 25,
                label = "Mapa de los Estados Unidos"),
            stat = "unique",
            size = 4, color = "red")
```



CREAR ETIQUETAS

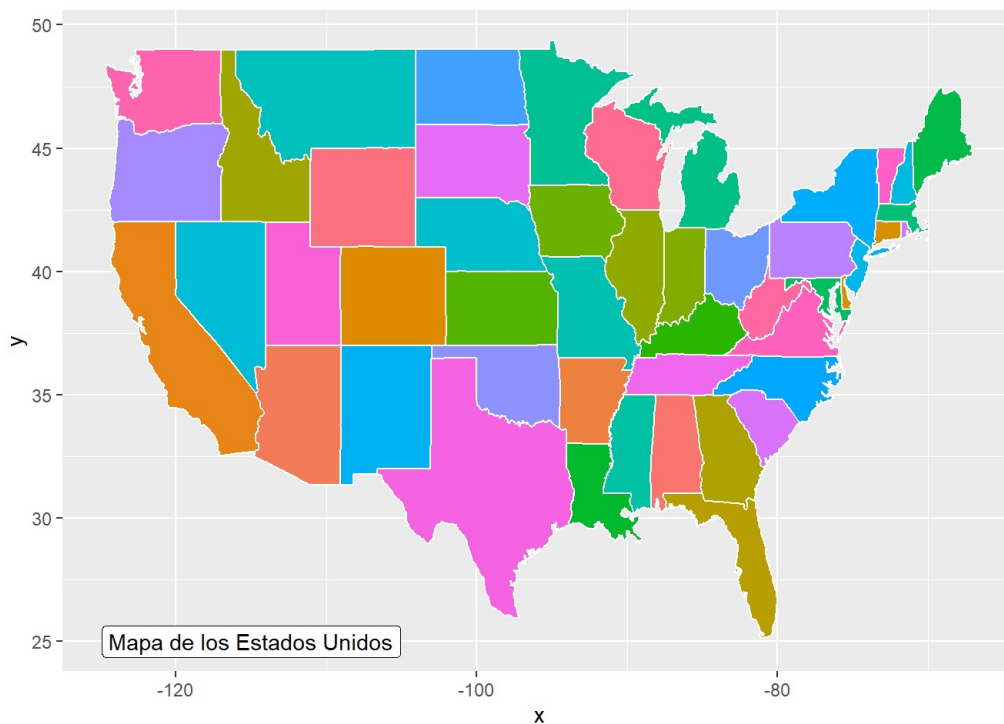
```
p +
  geom_text(aes(label = state))
```



EJEMPLO DE ETIQUETAS DOS ETIQUETAS GEOM-LABEL

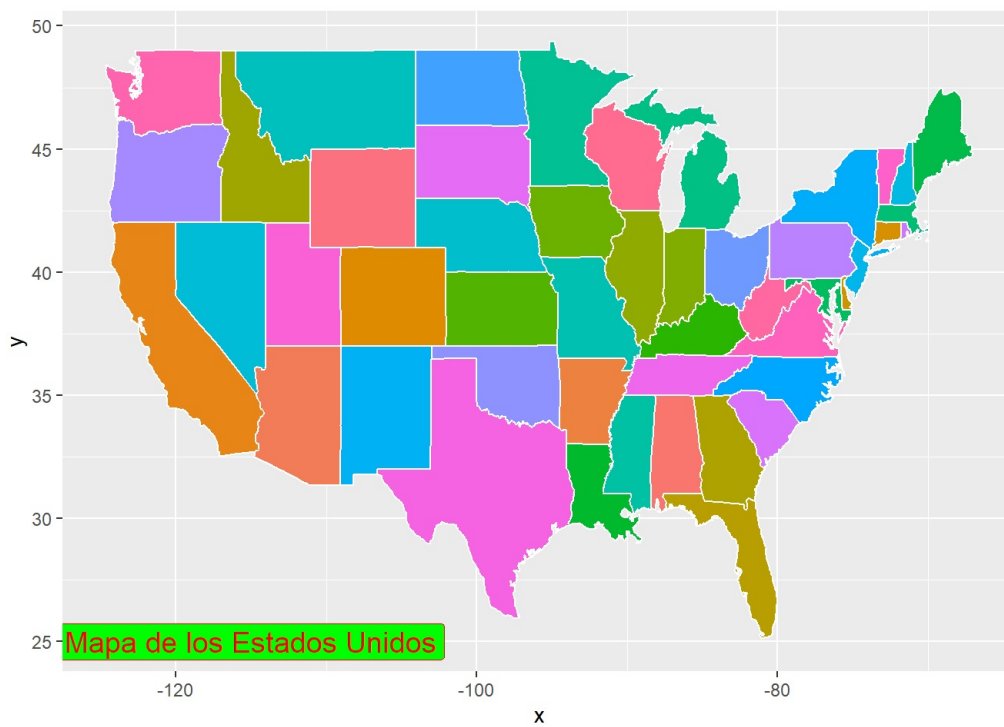
ETIQUETAS

```
p +
  geom_label(aes(x = -115, y = 25,
                 label = "Mapa de los Estados Unidos"),
            stat = "unique")
```



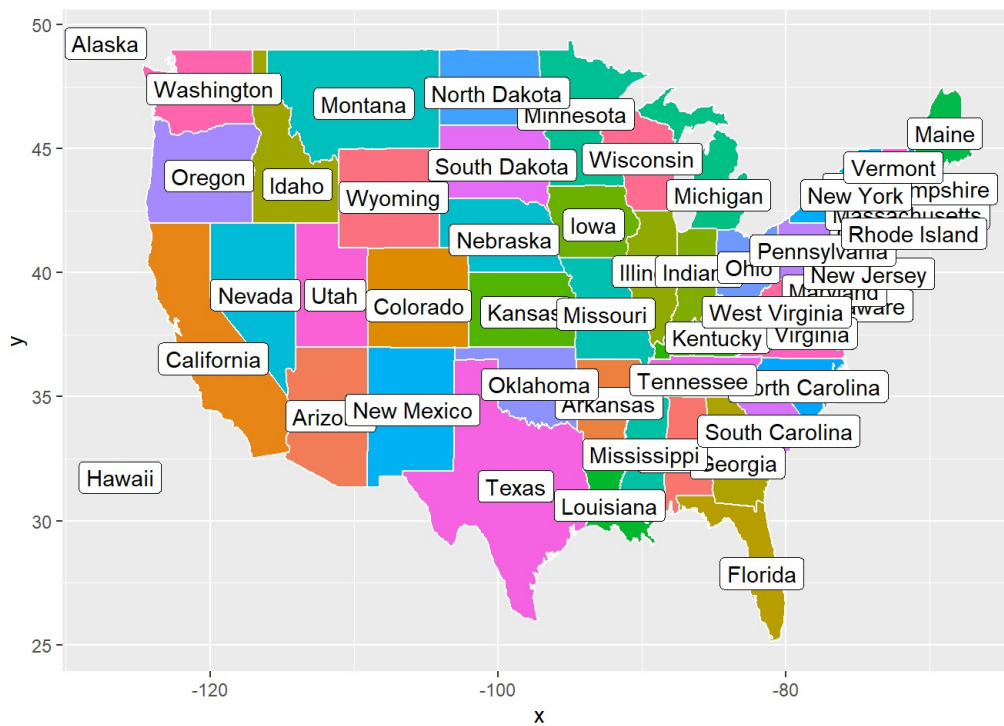
PERSONALIZAR ETIQUETAS

```
p +
  geom_label(aes(x = -115, y = 25,
                 label = "Mapa de los Estados Unidos"),
            stat = "unique",
            size = 5, color = "red", fill = "green")
```



ETIQUETAR OBSERVACIONES

```
p +  
  geom_label(aes(label = state))
```



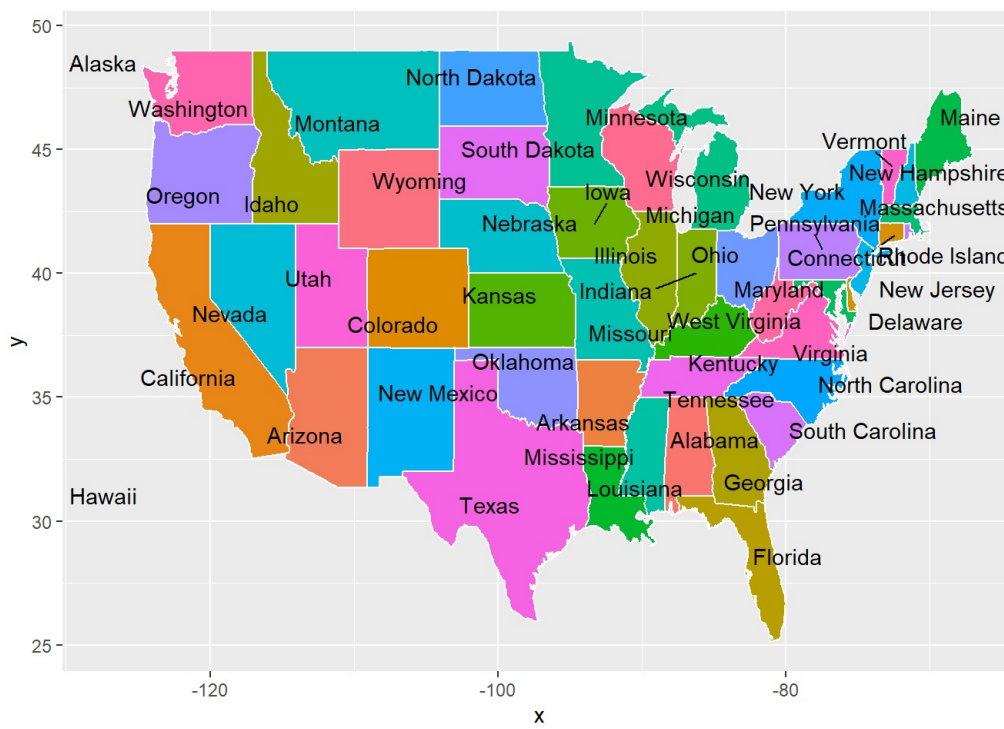
EJEMPLO DE ETIQUETAS TRES ETIQUETAS GGREPEL

INSTALAR PAQUETERIA `install.packages("ggrepel")`

```
library(ggrepel)
```

CREAR NOMBRES DE ETIQUETAS

```
p +  
  geom_text_repel(aes(label = state))
```



OTRO ESTILO DE ETIQUETA

```
p +
  geom_label_repel(aes(label = state))
```

```
## Warning: ggrepel: 2 unlabeled data points (too many overlaps). Consider
## increasing max.overlaps
```

