

title: "LAB 20"

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output: html_document

LABORATORIO - Gráficos en R con ggplot2

faceting (romper un gráfica en varias dentro de una cuadrícula)

Instalando paquete cargar libreria ggplot2

```
library(ggplot2)
```

Buscar Dataframe file.choose Leer base

```
densidad_verde <- read.csv("~/GitHub/JPAS_LABS24/INPUT/CUADERNOS MD/PARA FACETING.csv")
```

Ver nombres

```
names(densidad_verde)
```

```
## [1] "ID"          "datamex_code" "Product"      "PCI.2018"     "N_PCI.2018"
## [6] "Region"      "rca_bin"       "DENSITY"      "GCI_2018"     "GP_SINVCR"
## [11] "GCP_2018"
```

Crear grafica base

```
p <- ggplot(data= densidad_verde,
            mapping = aes(x= DENSITY,
                          y= PCI.2018,
                          color= Region))+
  geom_point()
```

Ver objeto p

```
p
```

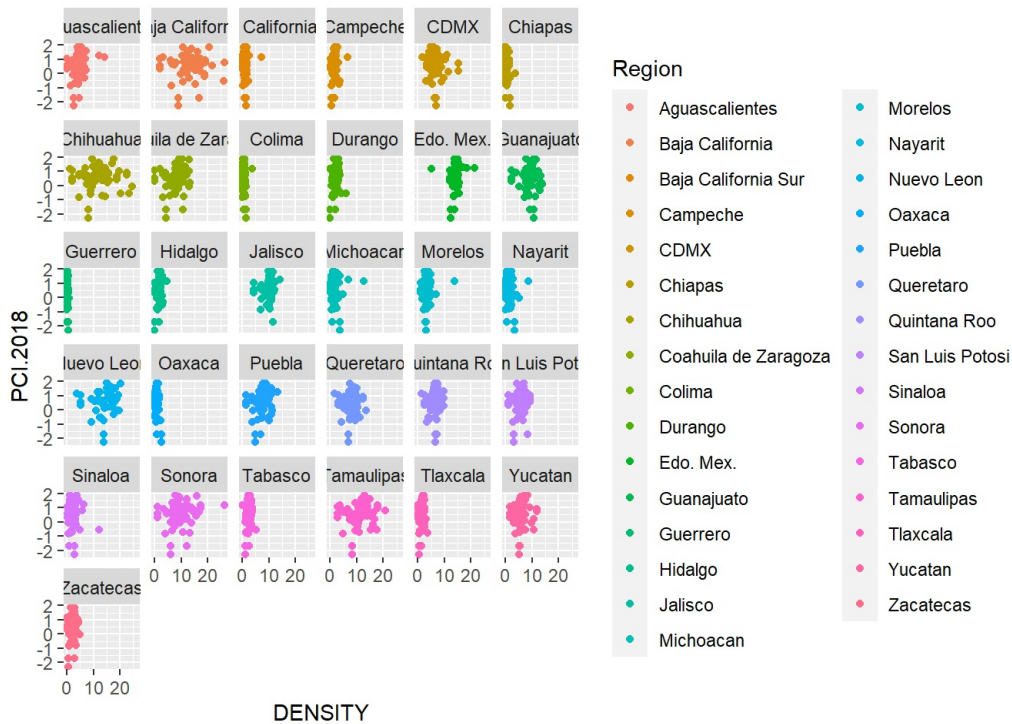
```
## Warning: Removed 496 rows containing missing values (`geom_point()`).
```



Manipular talbas facet_wrap (recomendado con una variable)

```
p + facet_wrap(~ Region)
```

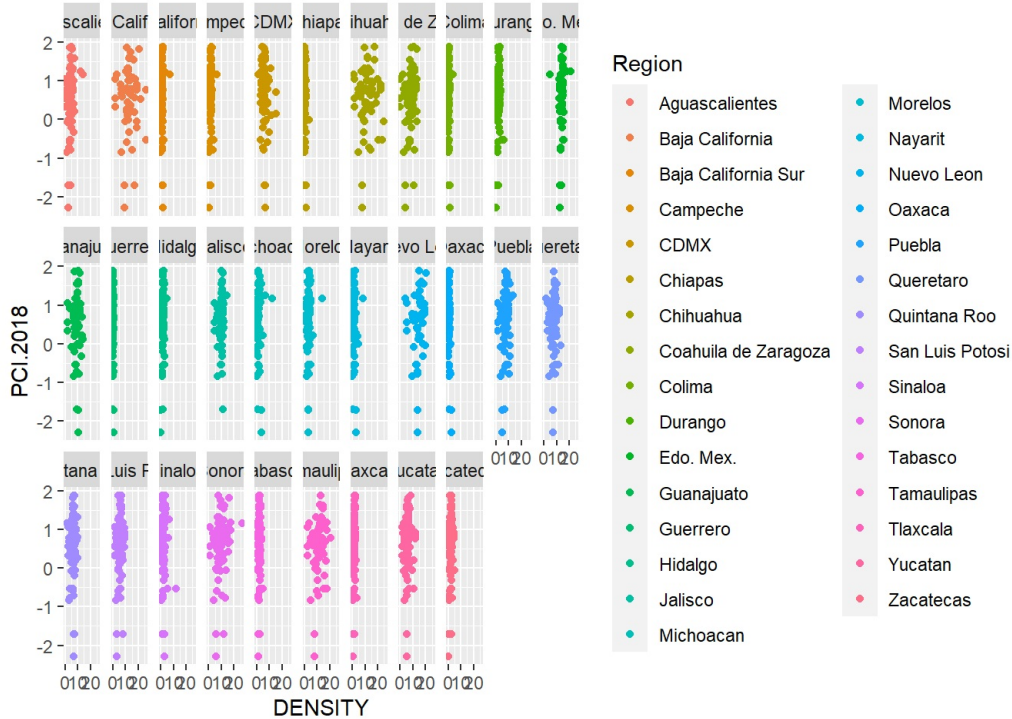
```
## Warning: Removed 496 rows containing missing values (`geom_point()`).
```



Manipulando número de filas

```
p + facet_wrap( ~ Region, nrow = 3)
```

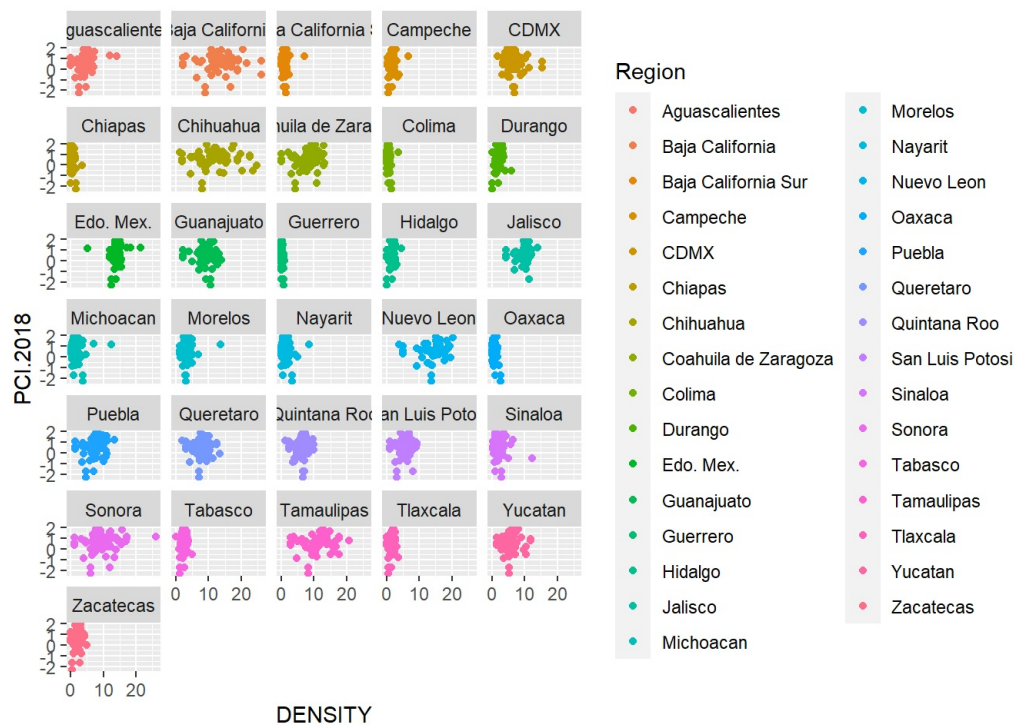
```
## Warning: Removed 496 rows containing missing values (`geom_point()`).
```



Manipulando número de columnas

```
p + facet_wrap(~ Region, ncol = 5)
```

```
## Warning: Removed 496 rows containing missing values (`geom_point()`).
```



CREAR UN SEGUNDO GRAFICO segunda opcion invertida crear objeto p llamar p

p

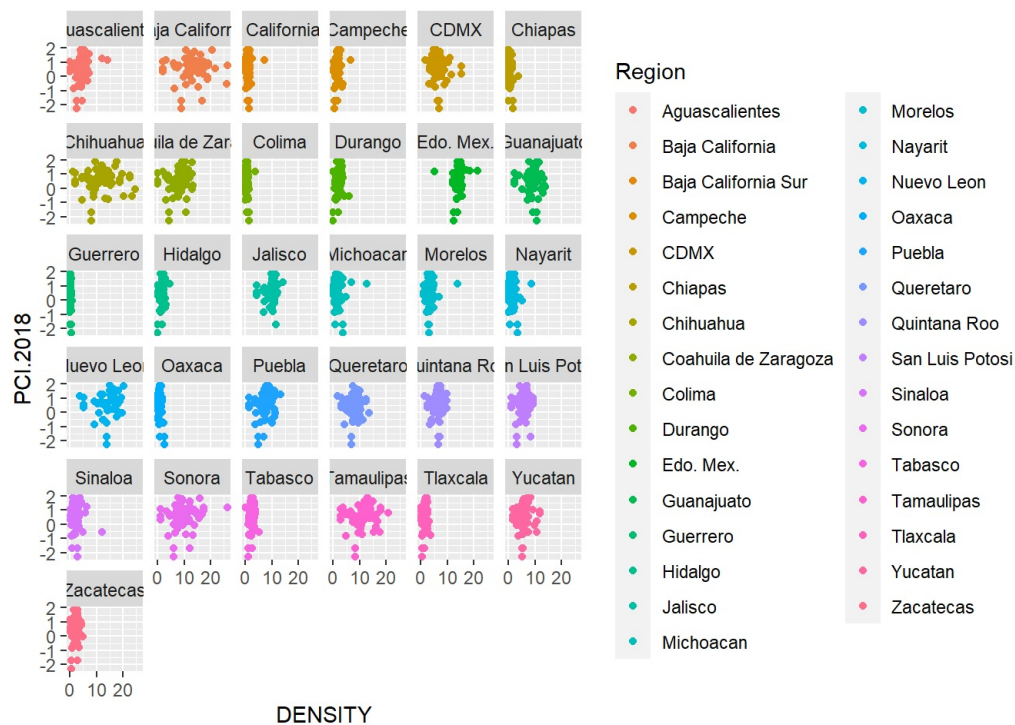
Warning: Removed 496 rows containing missing values (`geom_point()`).



fFacet_wrap (recomendado con una variable)

p + facet_wrap(~ Region)

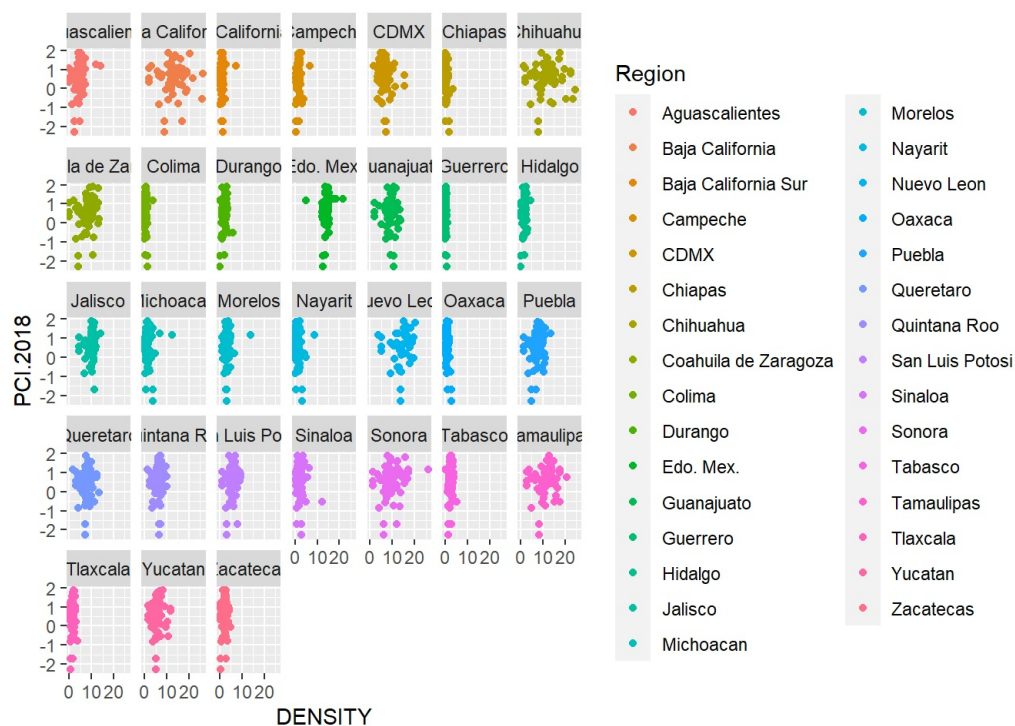
Warning: Removed 496 rows containing missing values (`geom_point()`).



Manipulando número de filas

```
p + facet_wrap( ~ Region, nrow = 5)
```

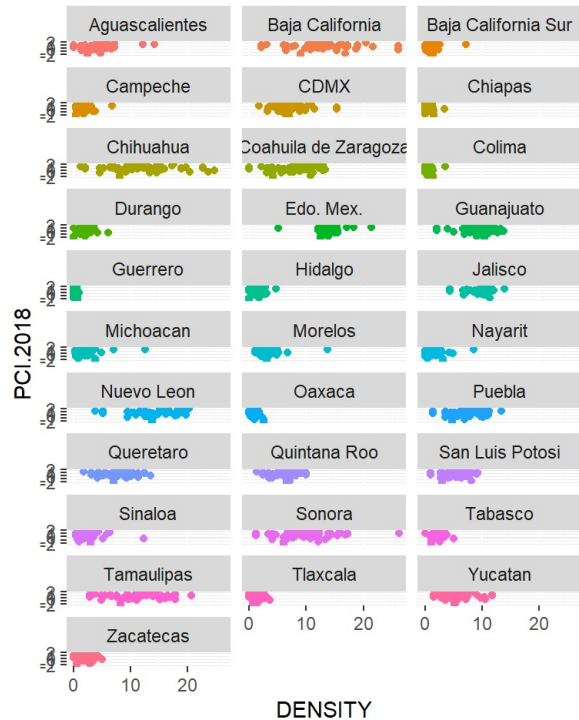
```
## Warning: Removed 496 rows containing missing values (`geom_point()`).
```



Manipulando número de columnas

```
p + facet_wrap(~ Region, ncol = 3)
```

```
## Warning: Removed 496 rows containing missing values (`geom_point()`).
```

Region

- Aguascalientes
- Baja California
- Baja California Sur
- Campeche
- CDMX
- Chiapas
- Chihuahua
- Coahuila de Zaragoza
- Colima
- Durango
- Edo. Mex.
- Guanajuato
- Guerrero
- Hidalgo
- Jalisco
- Michoacan
- Morelos
- Nayarit
- Nuevo Leon
- Oaxaca
- Puebla
- Queretaro
- Quintana Roo
- San Luis Potosi
- Sinaloa
- Sonora
- Tabasco
- Tamaulipas
- Tlaxcala
- Yucatan
- Zacatecas