GRÁFICOS:

GRÁFICO DE PONTOS:

> ggplot(data = mpg)

> ggplot(data = mpg)+

geom\_point(mapping = aes(x = displ, y = hwy))

> ggplot(data = mpg)+

geom\_point(mapping = aes(x = displ, y = hwy), position = “jitter”)

> ggplot(data = mpg)+

geom\_point(mapping = aes(x = displ, y = hwy), color = "blue")

> ggplot(data = mpg)+

geom\_point(mapping = aes(x = displ, y = hwy))+

facet\_wrap(~class, nrow = 2)

> ggplot(data = mpg)+

geom\_point(mapping = aes(x = displ, y = hwy))+

facet\_grid(drv ~cyl)

> ggplot(data = mpg)+

geom\_smooth(mapping = aes(x = displ, y = hwy))

> ggplot(data = mpg)+

geom\_smooth(mapping = aes(x = displ, y = hwy), color = "blue")

> ggplot(data = mpg)+

geom\_smooth(mapping = aes(x = displ, y = hwy, linetype = drv))

> ggplot(data = mpg)+

geom\_smooth(mapping = aes(x = displ, y = hwy, group = drv))

> ggplot(data = mpg)+

geom\_smooth(mapping = aes(x = displ, y = hwy, color = drv), show.legend = FALSE)

> ggplot(data = mpg)+

geom\_point(mapping = aes(x = displ, y = hwy))+

geom\_smooth(mapping = aes(x = displ, y = hwy))

> ggplot(data = mpg, mapping = aes(x = displ, y = hwy) )+

geom\_point()+

geom\_smooth()

> ggplot(data = mpg, mapping = aes(x = cty, y = hwy) )+

geom\_point()+

geom\_abline()

> ggplot(data = mpg, mapping = aes(x = displ, y = hwy) )+

geom\_point(mapping = aes(color = class))+

geom\_smooth()

> ggplot(data = mpg, mapping = aes(x = displ, y = hwy) )+

geom\_point(mapping = aes(color = class))+

geom\_smooth( data = filter(mpg, class == ‘subcompact’), se = FALSE)

> ggplot(data = mpg, mapping = aes(x = displ, y = hwy, COLOR = drv) )+

geom\_point()+

geom\_smooth(se = FALSE)

GRÁFICO DE BARRAS

> ggplot(data = diamonds)+

geom\_bar(mapping = aes(x = cut))

Criando uma base de dados “demo”:

> demo <- tribble(~a, ~b,”bar\_1”,20, “bar\_2”, 30, “bar\_3”, 40)

ggplot(data = diamonds)+

geom\_bar(mapping = aes(x = a, y = b), stat = “identity”)

> ggplot(data = diamonds)+

geom\_bar(mapping = aes(x = cut, y = ..prop.., group = 1))

> ggplot(data = diamonds)+

stat\_summary(mapping = aes(x = cut, y = depth), fun.ymin = min, fun.ymax = max, fun.y = median)

> ggplot(data = diamonds)+

geom\_bar(mapping = aes(x = cut, color = cut))

> ggplot(data = diamonds)+

geom\_bar(mapping = aes(x = cut, fill = cut))

> ggplot(data = diamonds, mapping = aes(x = cut, fill = clarity))+

geom\_bar(alpha = 1/5, position = “identity”)

> ggplot(data = diamonds)+

geom\_bar(mapping = aes(x = cut, fill = clarity), position = “fill”)

> ggplot(data = diamonds)+

geom\_bar(mapping = aes(x = cut, fill = clarity), position = “dodge”)

> bar <- ggplot(data = diamonds)+

geom\_bar(mapping = aes(x = cut, fill = cut), show.legend = FALSE, width = 1)+

theme(aspect.ratio = 1)+

labs(x = NULL, y = NULL)

> bar + coord\_flip()

> bar + coord\_polar()

GRÁFICOS BOXPLOT:

> ggplot(data = mpg, mapping = aes(x = class, y = hwy ))+

geom\_boxplot()

> ggplot(data = mpg, mapping = aes(x = class, y = hwy ))+

geom\_boxplot()+

coord\_flip()

GRÁFICOS MAPA:

> nz <- map\_data(“nz”)

> ggplot(nz, aes(long, lat, group = group))+

geom\_polygon(fill = “White”, color = “black”)

> ggplot(nz, aes(long, lat, group = group))+

geom\_polygon(fill = “White”, color = “black”)+

coord\_quickmap()