## Gráficos

#### Francisco Alberto

30/9/2020

### Gráficos

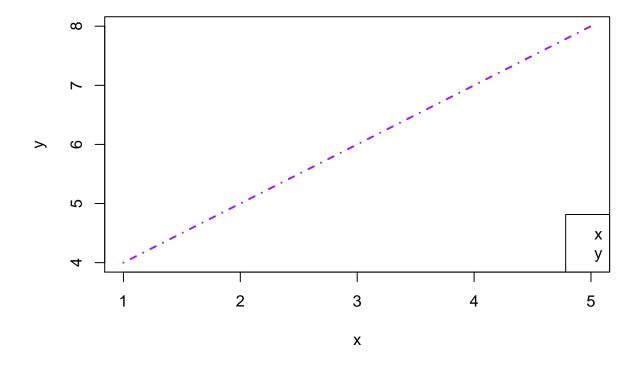


Figure 1: Primer Gráfico

plot(2<sup>(1:6)</sup>)

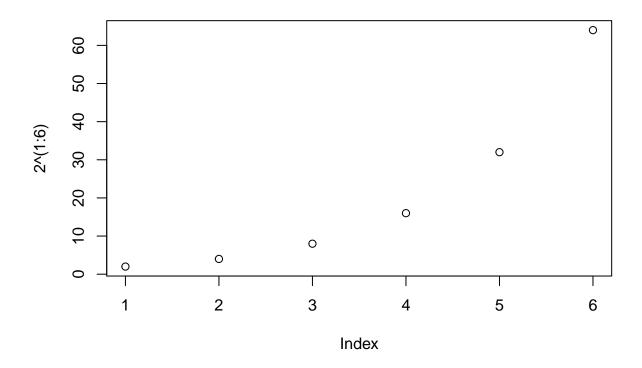


Figure 2: Segundo Gráfico

```
cuadrado = function(x){x^2}
plot(cuadrado, col = "green",lwd = 2 ,
    main = "Función cuadrado", xlim = c(-3,3),
    ylab = expression(f(x)))
legend("bottomleft",
    legend = c(expression(x^2)),col = "green",
    lwd = 2)
```

# Función cuadrado

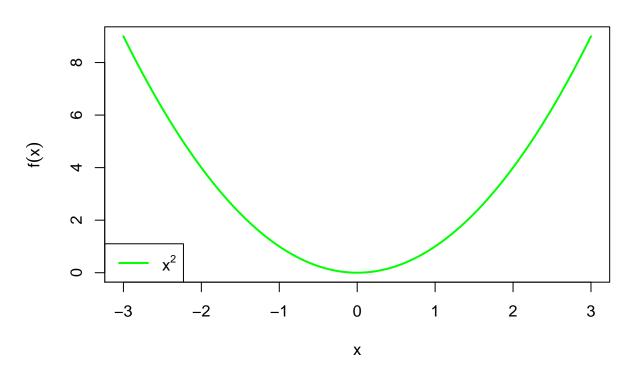


Figure 3: Tercer Gráfico

# Raiz cuadrada

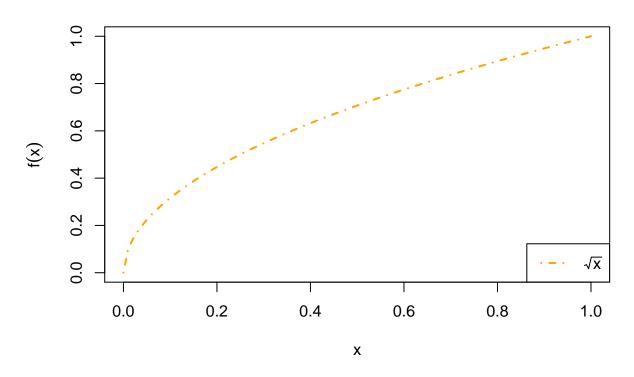
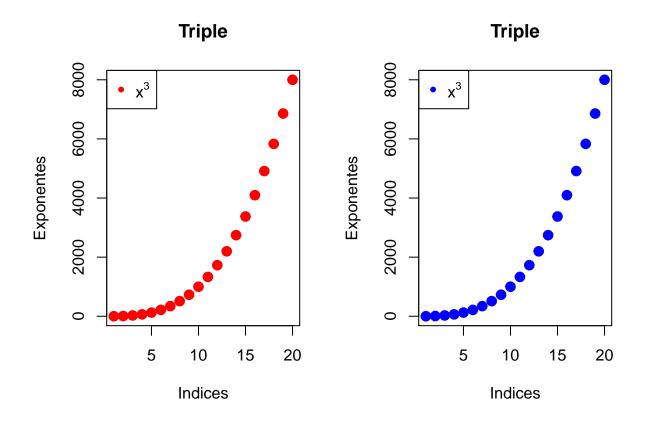


Figure 4: Cuarto Gráfico

#### Parámetros

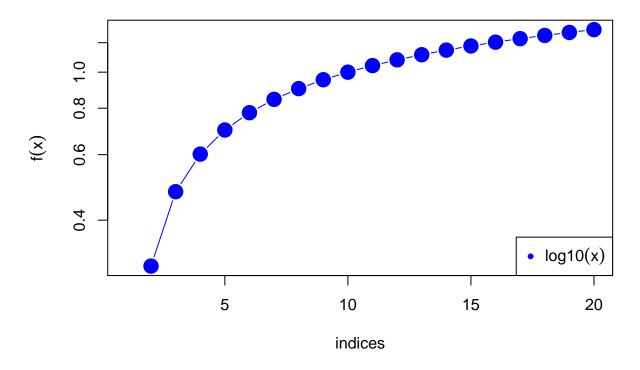


```
main = "Gráfico logarítmico",pch = 20,
col = "blue",cex = 3,type = "b")
```

## Warning in xy.coords(x, y, xlabel, ylabel, log): 1 y value <= 0 omitted from
## logarithmic plot</pre>

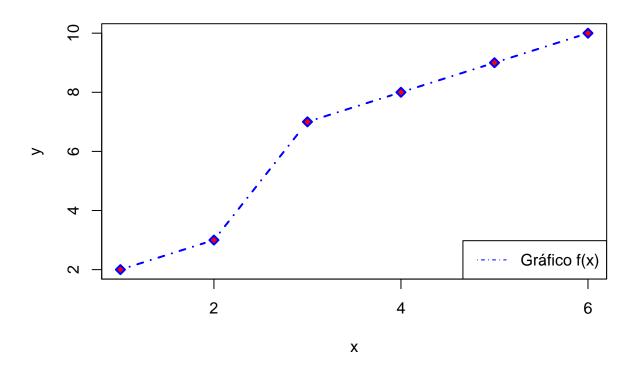
```
legend("bottomright",
    legend = c(expression(log10(x))),
    col = "blue",pch = 20)
```

## **Gráfico logarítmico**



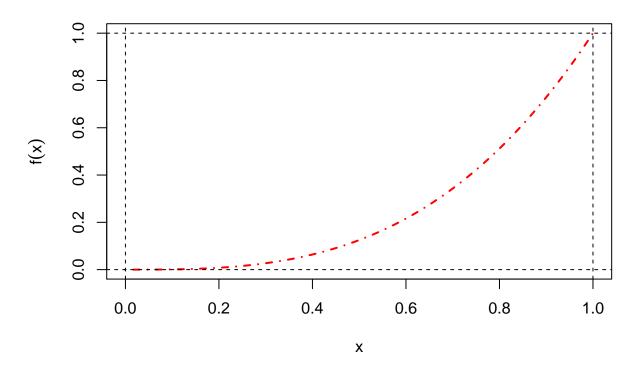
```
x = c(1,2,3,4,5,6)
y = c(2,3,7,8,9,10)
plot(x,y,main = "Gráfico 1",pch = 23,col = "blue",
    bg = "red",lty = "dotdash",type = "b",
    lwd = 2,xaxp = c(0,6,3),yaxp = c(0,10,5))
legend("bottomright",
    legend = c("Gráfico f(x)"),
    col = "blue",lty = "dotdash")
```

## **Gráfico 1**



```
c = function(x){x^3}
plot(c,xlab = "x",ylab = expression(f(x)),
    main = "Grafico cubo",
    pch = 19 , lty = "dotdash",lwd = 2,
    col = "red")
abline(v = -2:2 , h = 0:6, lty = "dashed",
    col = "gray0")
```

## **Grafico** cubo



# Gráfico con varios elementos

