

# Clase 2.1

# Gráficos avanzados

Marcos Rosetti y Luis Pacheco-Cobos

Estadística y Manejo de Datos con R (EMDR) — Virtual

# Gráficos avanzados: `geom_point()`

- Exploremos el conjunto de datos Orange

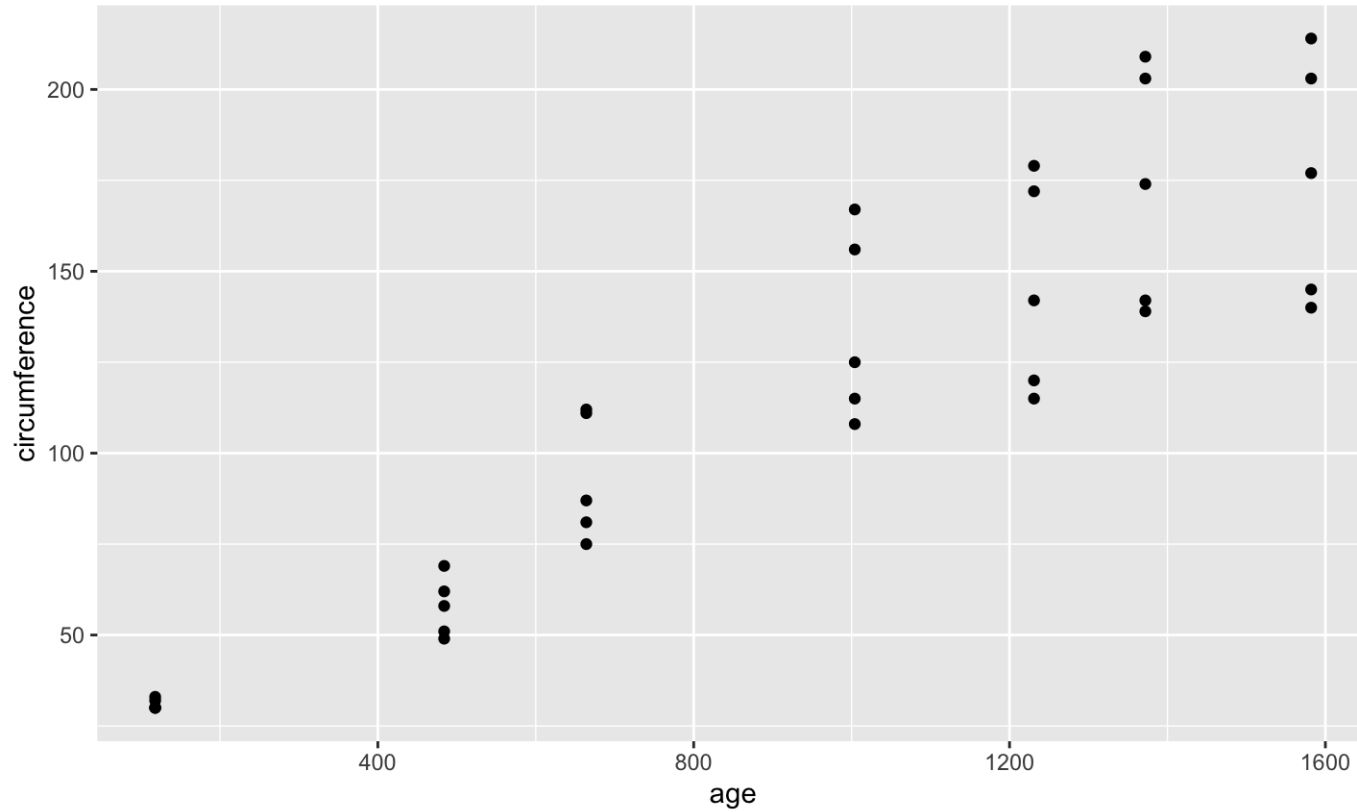
```
?Orange
```

```
head(Orange)
```

```
##      Tree  age circumference
## 1      1   118             30
## 2      1   484             58
## 3      1   664             87
## 4      1 1004            115
## 5      1 1231            120
## 6      1 1372            142
```

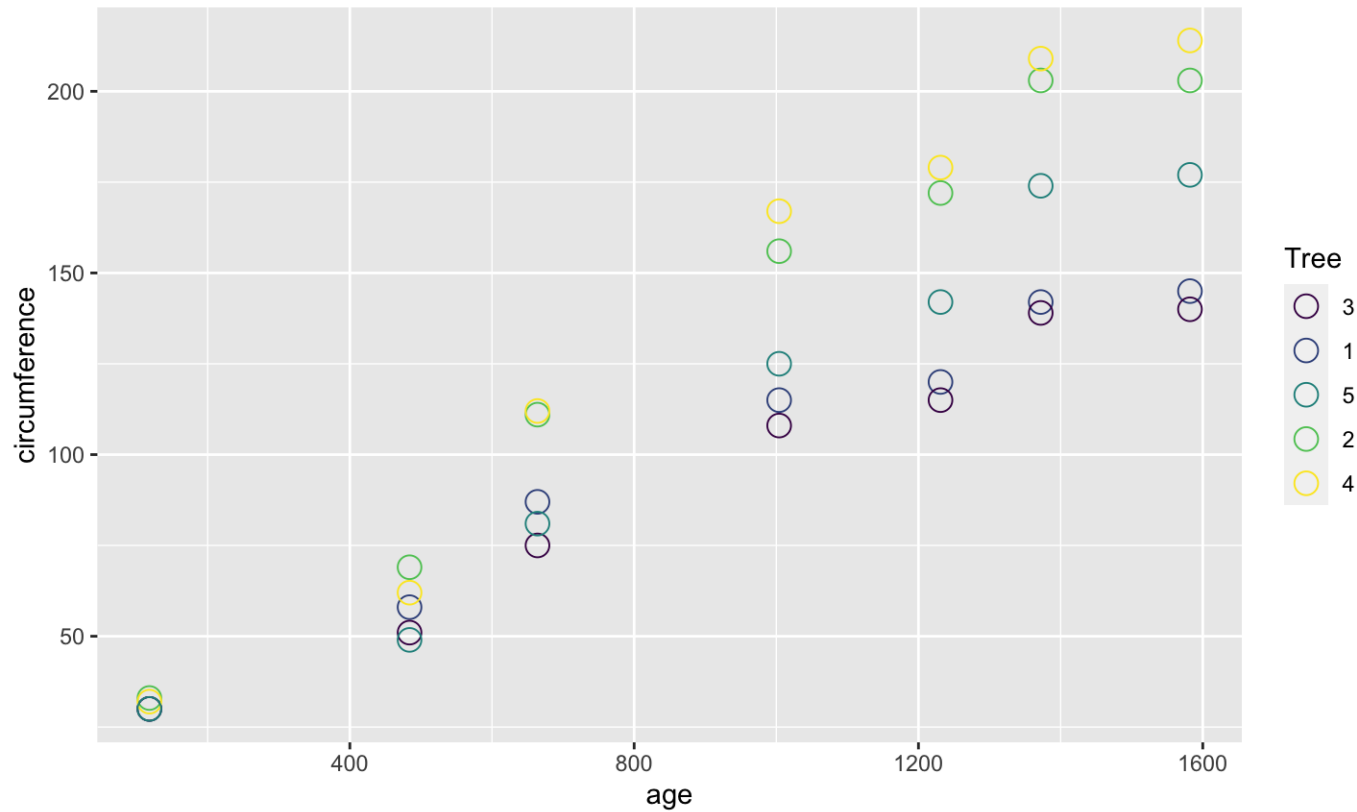
# Gráficos avanzados: `geom_point()`

```
ggplot(Orange, aes(x = age, y = circumference)) + geom_point()
```



# Gráficos avanzados: `geom_point()`

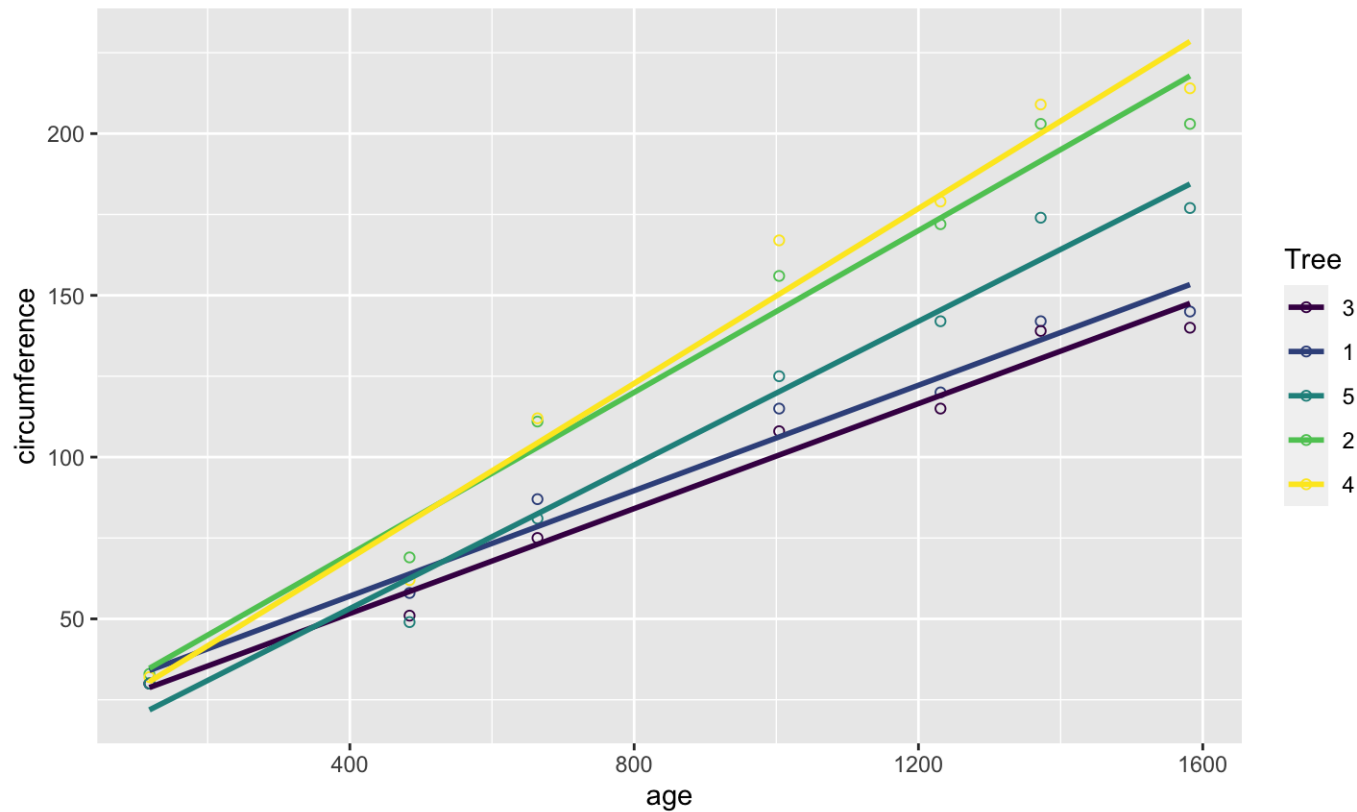
```
ggplot(Orange, aes(x = age, y = circumference, color = Tree)) +  
  geom_point(shape = 1, size = 4)
```



# Gráficos avanzados: `geom_point()`

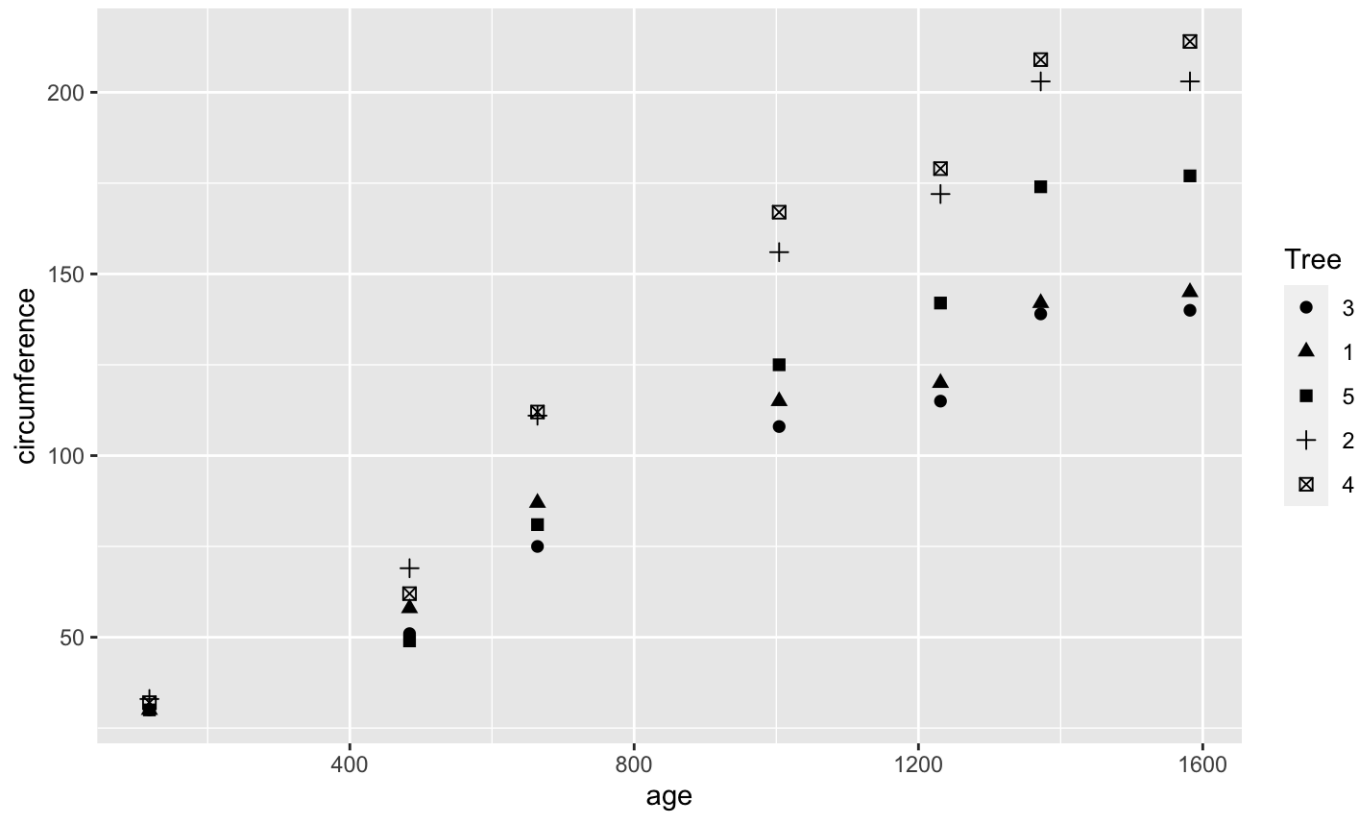
```
ggplot(Orange, aes(x = age, y = circumference, color = Tree)) +  
  geom_point(shape = 1) + geom_smooth(method = lm, se = FALSE)
```

```
## `geom_smooth()` using formula 'y ~ x'
```



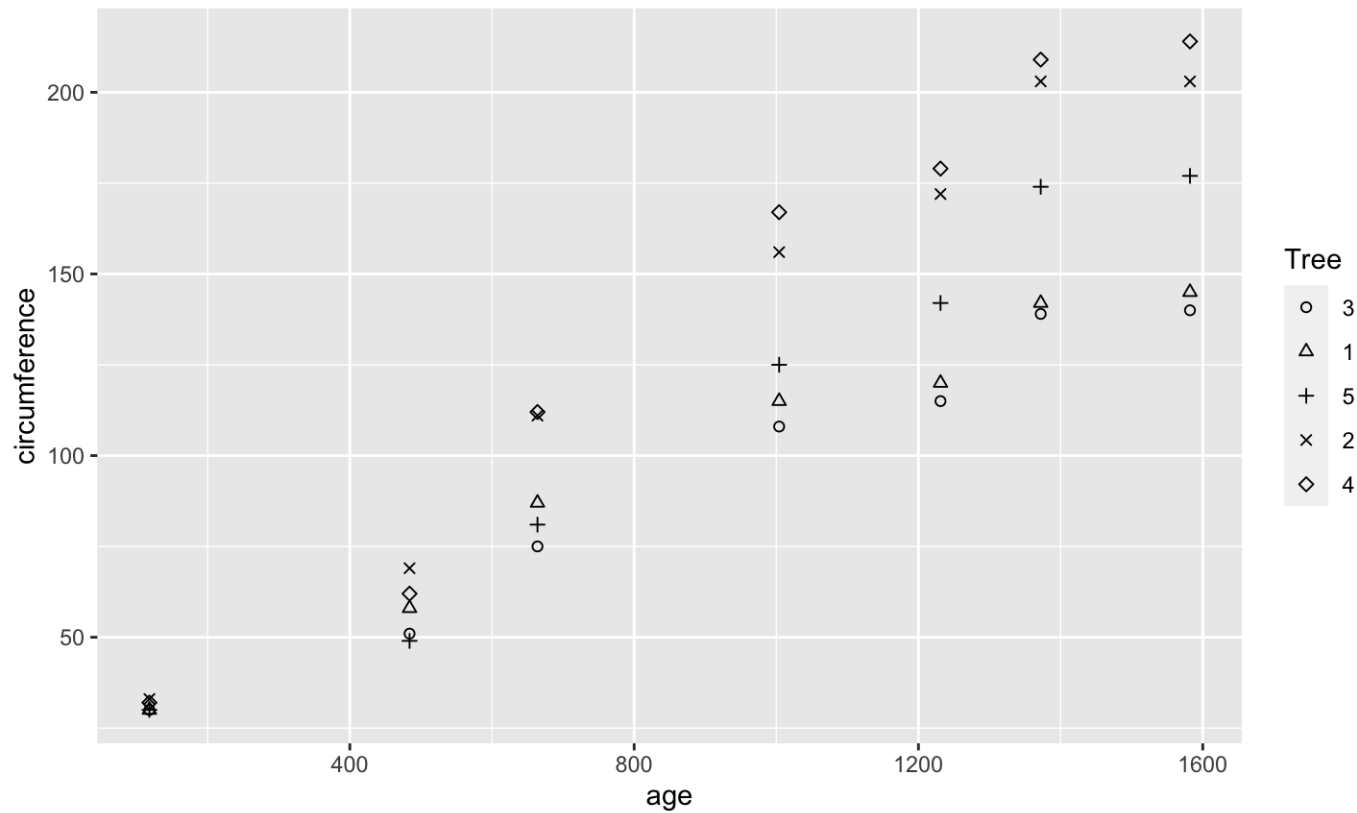
# Gráficos avanzados: `geom_point()`

```
ggplot(Orange, aes(x = age, y = circumference, shape = Tree)) +  
  geom_point(size = 2)
```



# Gráficos avanzados: `geom_point()`

```
ggplot(Orange, aes(x = age, y = circumference, shape = Tree)) +  
  geom_point() + scale_shape_manual(values = c(1:5))
```



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