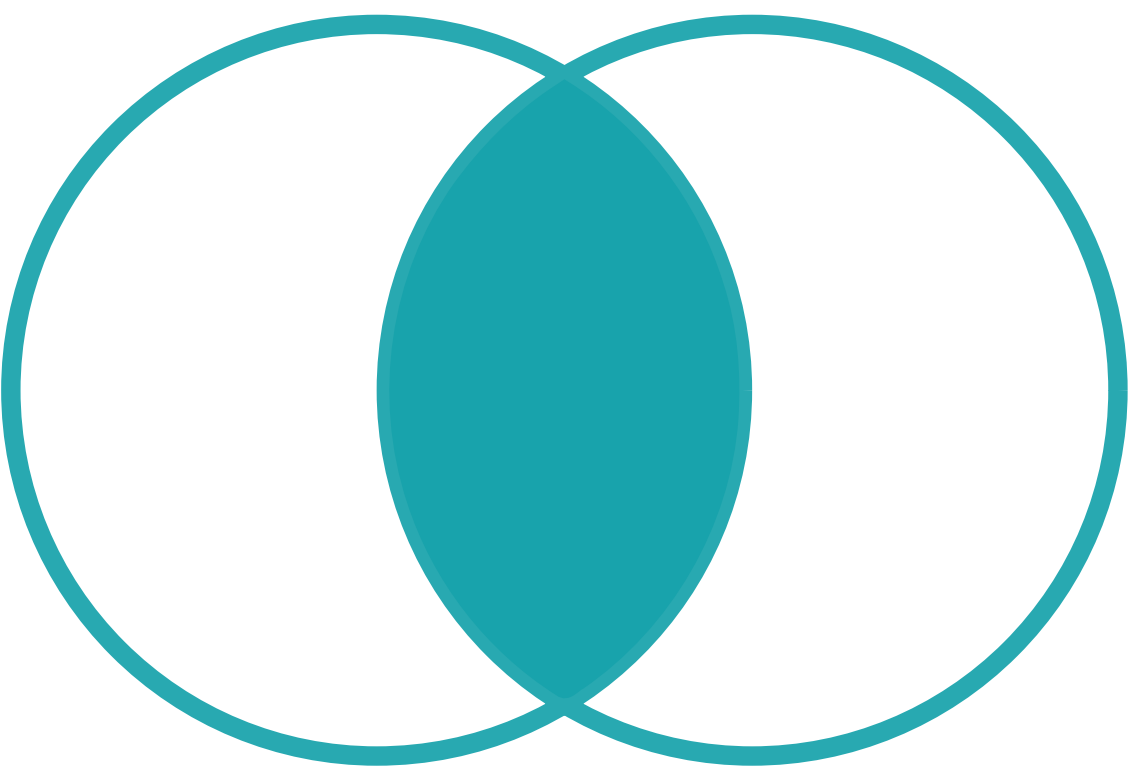


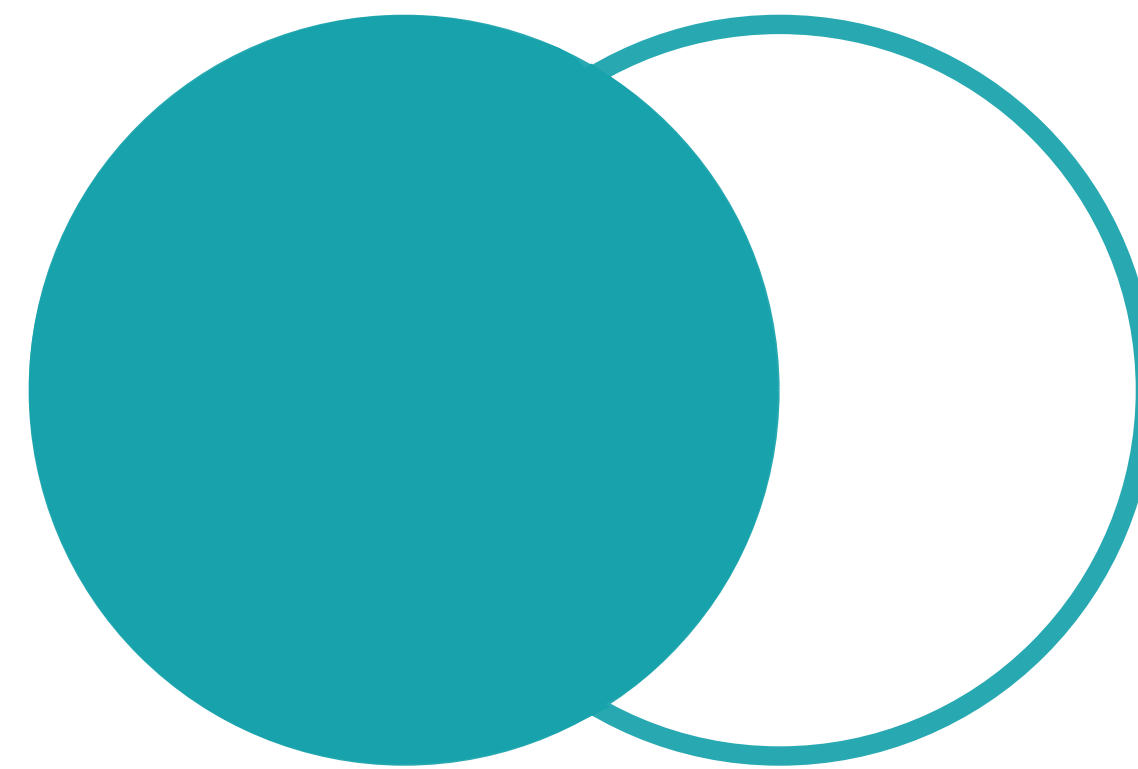
The goal of merging is to *combine columns* from different data frames after *matching cases*.

→ Venn diagrams show what happens to the *rows* (i.e. *cases*) of the left and right tables.



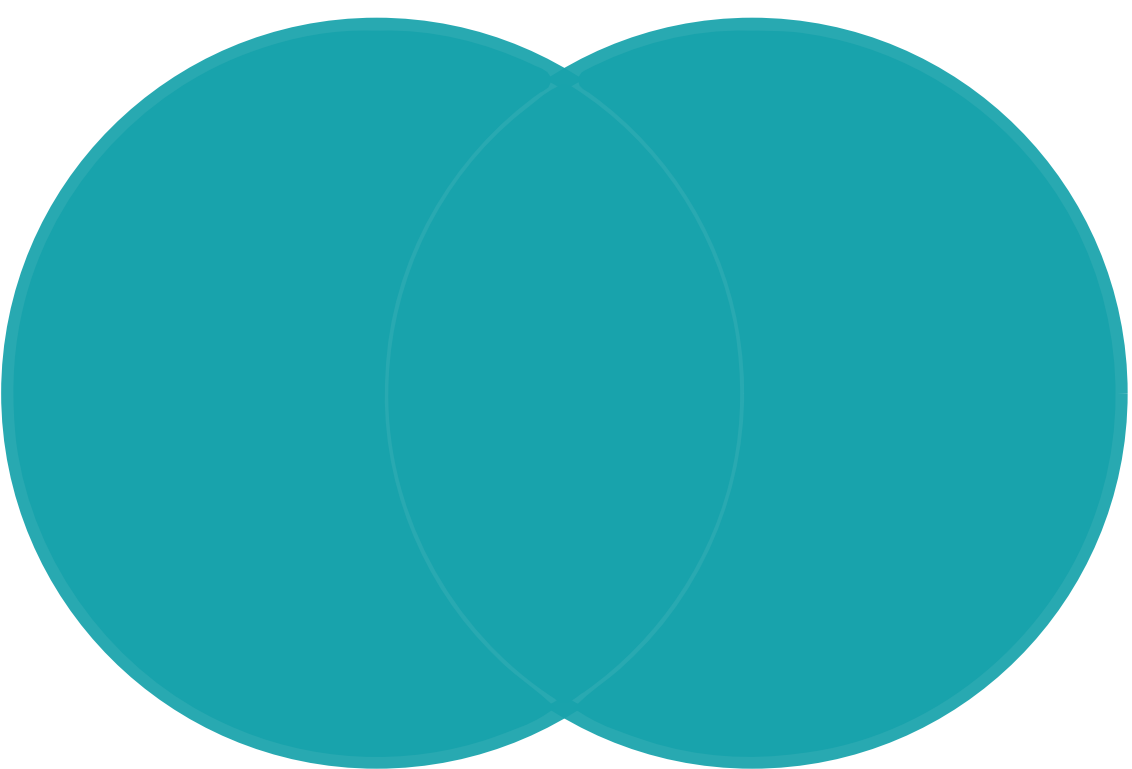
Inner join

```
merge(a, b, all = FALSE)
```



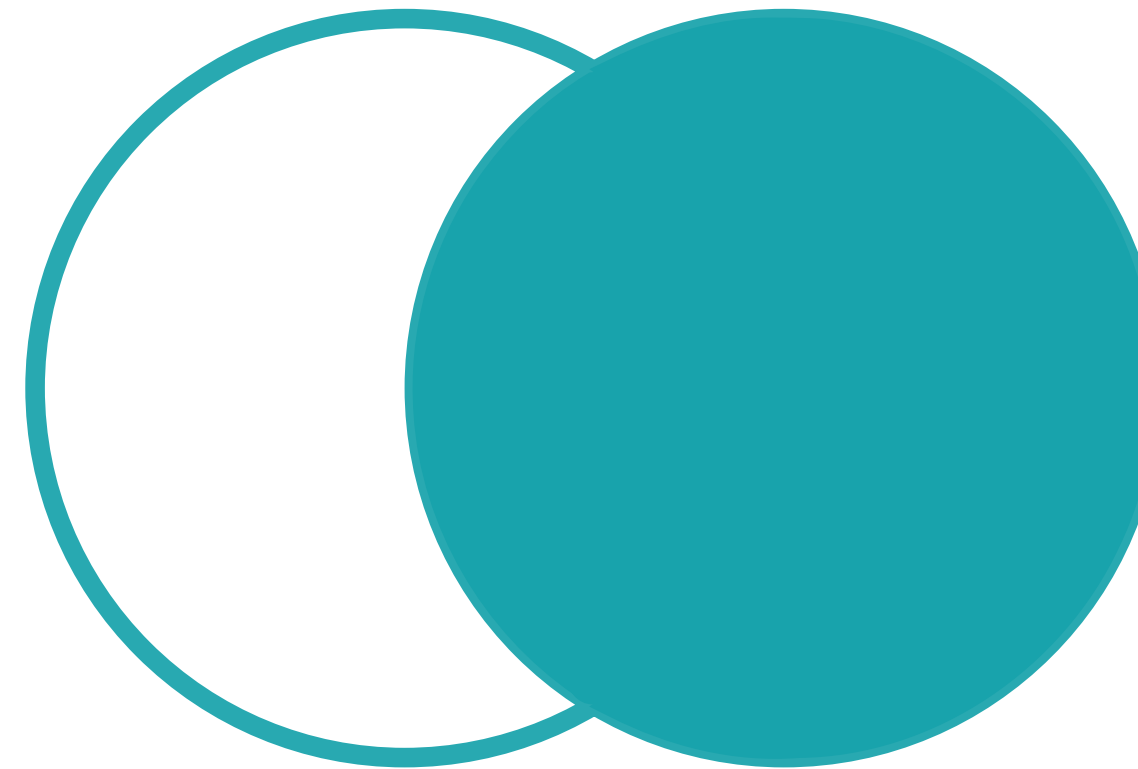
Left outer join

```
merge(a, b, all.x = TRUE)
```



Outer join

```
merge(a, b, all = TRUE)
```



Right outer join

```
merge(a, b, all.y = TRUE)
```