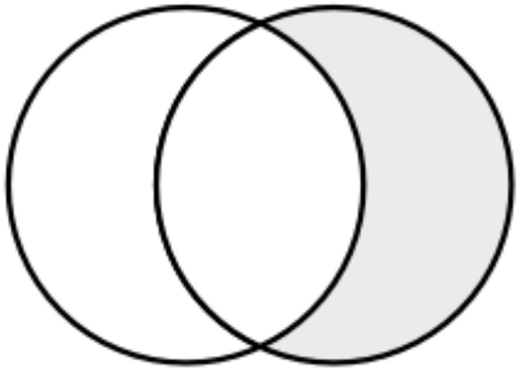
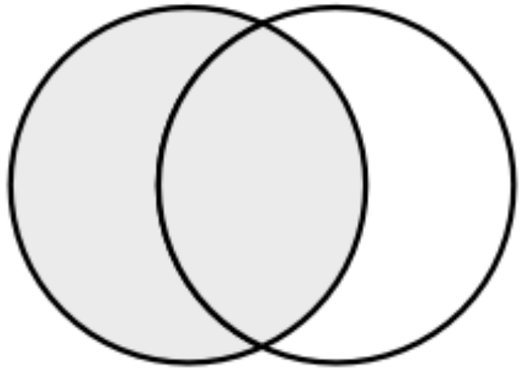
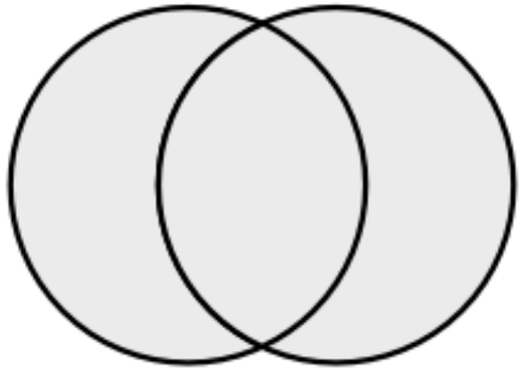
`filter()` picks rows by their values



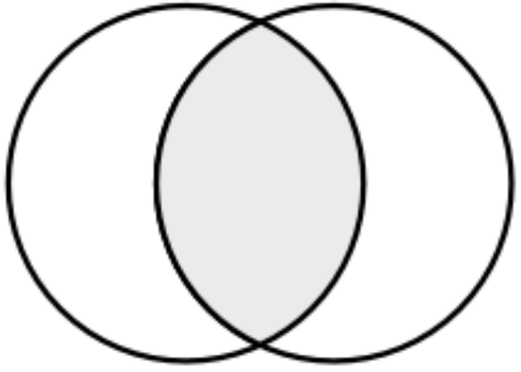
y & !x



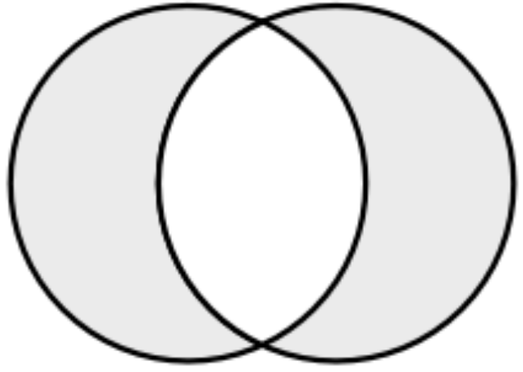
x



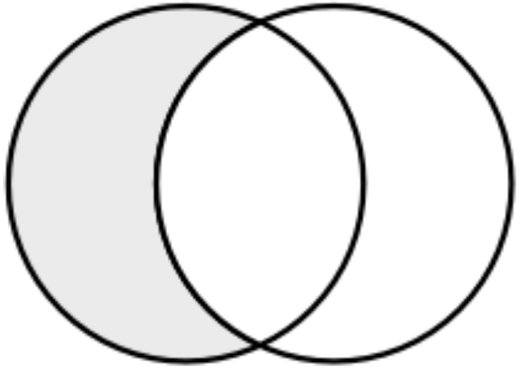
x | y



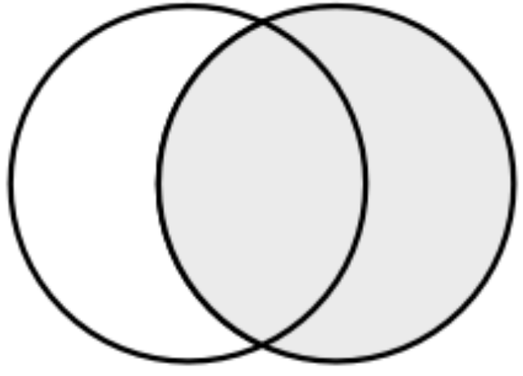
x & y



xor(x, y)



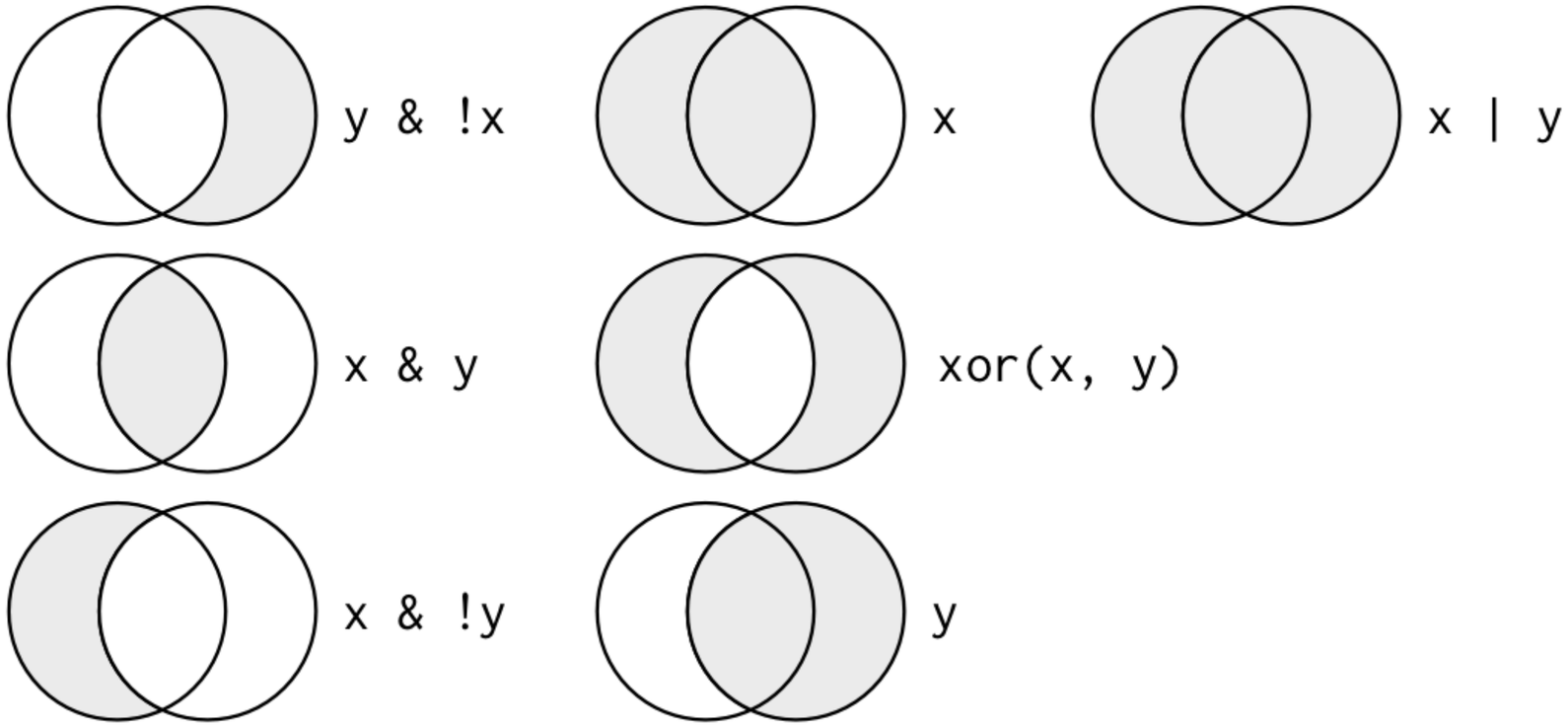
x & !y



y

```
filter(flights, month == 11 | month == 12)
filter(flights, month %in% c(11, 12))
filter(flights, !(arr_delay > 120 | dep_delay > 120))
filter(flights, arr_delay <= 120, dep_delay <= 120)
```

`filter()` picks rows by their values




```
filter(flights, month == 11 | month == 12)
filter(flights, month %in% c(11, 12))
filter(flights, !(arr_delay > 120 | dep_delay > 120))
filter(flights, arr_delay <= 120, dep_delay <= 120)
```

Exercise set 1

Find all flights that:

1. Had an arrival delay of two or more hours
2. Flew to Houston (`IAH` or `HOU`)
3. Were operated by United, American, or Delta
4. Departed in summer (July, August, and September)
5. Arrived more than two hours late, but didn't leave late