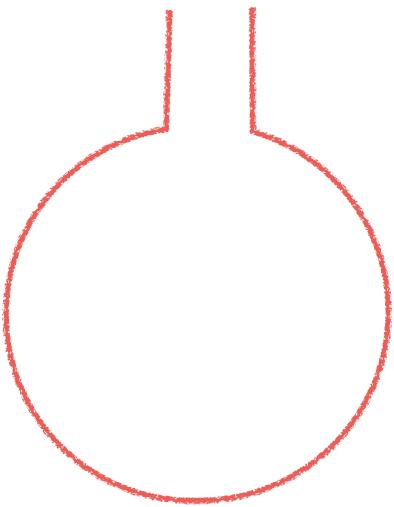
# Over-representation analysis





















































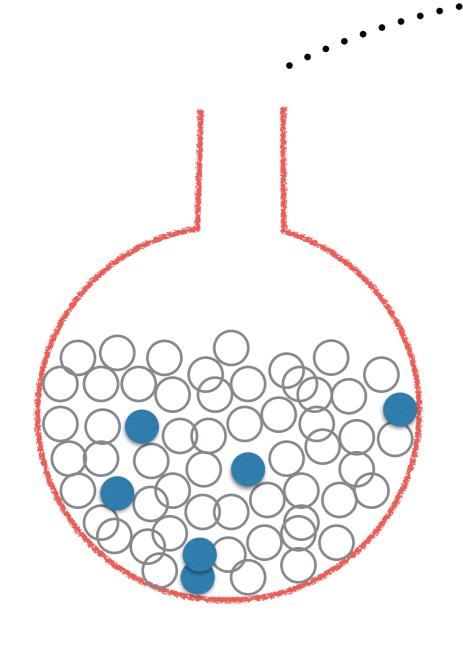
#### Jar with 1000 marbles 800 white, 200 blue



### How many white and blue do you expect?

Remove 20

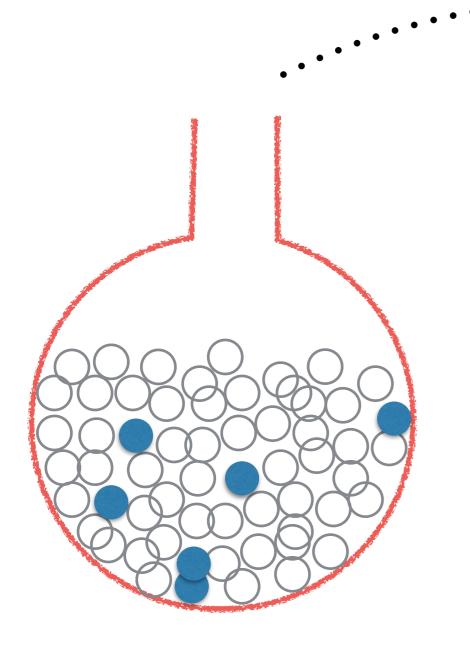
### Over-representation analysis



Remove 20 How many white and blue do you expect?

Jar with 1000 marbles 800 white, 200 blue

## Over-representation analysis



What if you find 10 white and 10 blue?

Blues are **over-represented** in your sample

Jar with 1000 marbles 800 white, 200 blue