

- Now we need to simulate our data - we will sample from the normal distribution so will use the `rnorm()` function.
- We want to simulate the data for our "fast" condition as coming from a distribution with a mean = 1000 and sd = 50, and the data for our "slow" condition from a distribution with a mean = 1020 and sd = 50.
- We need to make sure we set up the order of our `rnorm()` function in the same way as we did for specifying the condition variable (i.e., sampling 12 times for the 'fast' condition and then 12 for the 'slow').

- To make sure we can reproduce these random samples in future, we can use the function `set.seed()` to specify the start of the random number generation.

```
> set.seed(1234)
> dv <- c(rnorm(12, 1000, 50), rnorm(12, 1020, 50))
> dv
 [1]  939.6467 1013.8715 1054.2221  882.7151 1021.4562
[2] 1025.3028  971.2630  972.6684  971.7774
[3]
[4]
[5]
[6]
[7]
[8]
[9]
[10]  955.4981  976.1404  950.0807  981.1873 1023.2229
[11] 1067.9747 1014.4857  994.4495  974.4402
[12]
[13]
[14]
[15]
[16]
[17]
[18]
[19]  978.1414 1140.7918 1026.7044  995.4657  997.9726
[20] 1042.9795
```