

Analysis Testing functions

```
{
```

```
import stubs base
```

```
import stubs data.table
```

```
import stubs graphics
```

```
import package grDevices
```

```
simulate dataset with [
```

```
  num of samples:  3
```

```
  num of genes:    500
```

```
  mean when all factors are false:  1
```

```
  discrete factors:  treatment
```

```
  effect size: 1
```

```
  continuous covariate: temperature , range: [ 0 - 100 ] , slope: 1
```

```
] -> simulate
```

```
eval boxplot(x = ${sample_1_treatment})
```

```
eval boxplot(x = c(1, 2, 3, 4))
```

```
}
```