Getting Started with R and RStudio

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```
#some arithemetic expressions
8 + 3
```

```
## [1] 11
```

```
log(2)
```

```
## [1] 0.6931472
```

```
((121/3) * (6^3))/(pi)
```

```
## [1] 2773.116
```

```
#create x and y
x = 8 + 3
y = log(2)

#calculation
x + y
```

```
## [1] 11.69315
```

```
#define and return z
z = x * y
z
```

```
## [1] 7.624619
```

```
#a semicolon (;) can be used to separate commands
x = 8 + 3; x
```

```
## [1] 11
```

```
x = 21; x
```

```
## [1] 21
```

```r
#define and return vectors a and b
a = c(4.1, 6.7, 8.2, 1.8); a
```

```
## [1] 4.1 6.7 8.2 1.8
```

```r
b = 2*a; b
```

```
## [1]  8.2 13.4 16.4  3.6
```

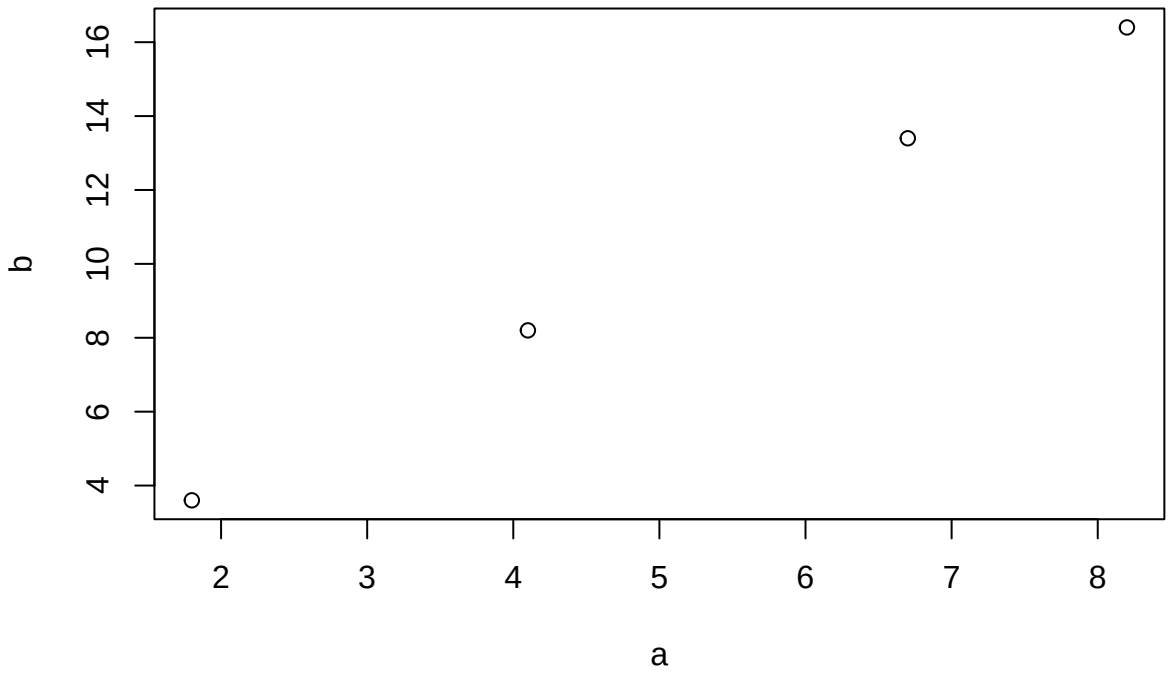
```r
#calculate mean and standard deviation
mean(a)
```

```
## [1] 5.2
```

```r
sd(a)
```

```
## [1] 2.829605
```

```r
#plot a against b
plot (a, b)
```



```
# This was a very enjoyable and fun starting point!
```