Intro_R.r

nathe
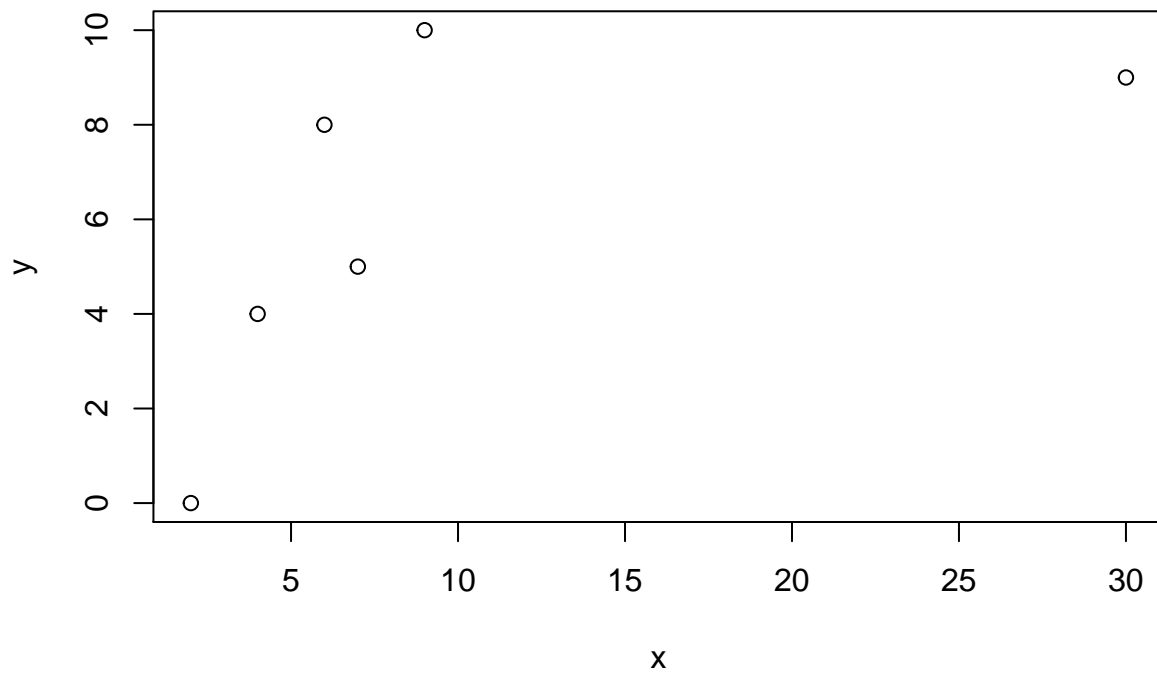
2020-08-25

```r
library(MASS)


x <- c(2, 4, 6, 7, 9, 30)
y <- c(0, 4, 8, 5, 10, 9)


plot(x, y)
```



```r
plot(x)

x[1]
```

```
## [1] 2
```

```r
y[5]
```

```
## [1] 10
```

```r
mean(x)
```

```
## [1] 9.666667
```

```r
mean(y)
```

```
## [1] 6
```

```r
median(y)
```

```
## [1] 6.5
```

```r
sd(x)
```

```
## [1] 10.2502
```

```r
library(tidyverse)
```

```
## -- Attaching packages -------------------------------------- tidyverse 1.3.0 --
```

```
## v ggplot2 3.3.2     v purrr   0.3.4
## v tibble  3.0.3     v dplyr   1.0.2
## v tidyr   1.1.1     v stringr 1.4.0
## v readr   1.3.1     v forcats 0.5.0
```

```
## -- Conflicts ----------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## x dplyr::select() masks MASS::select()
```
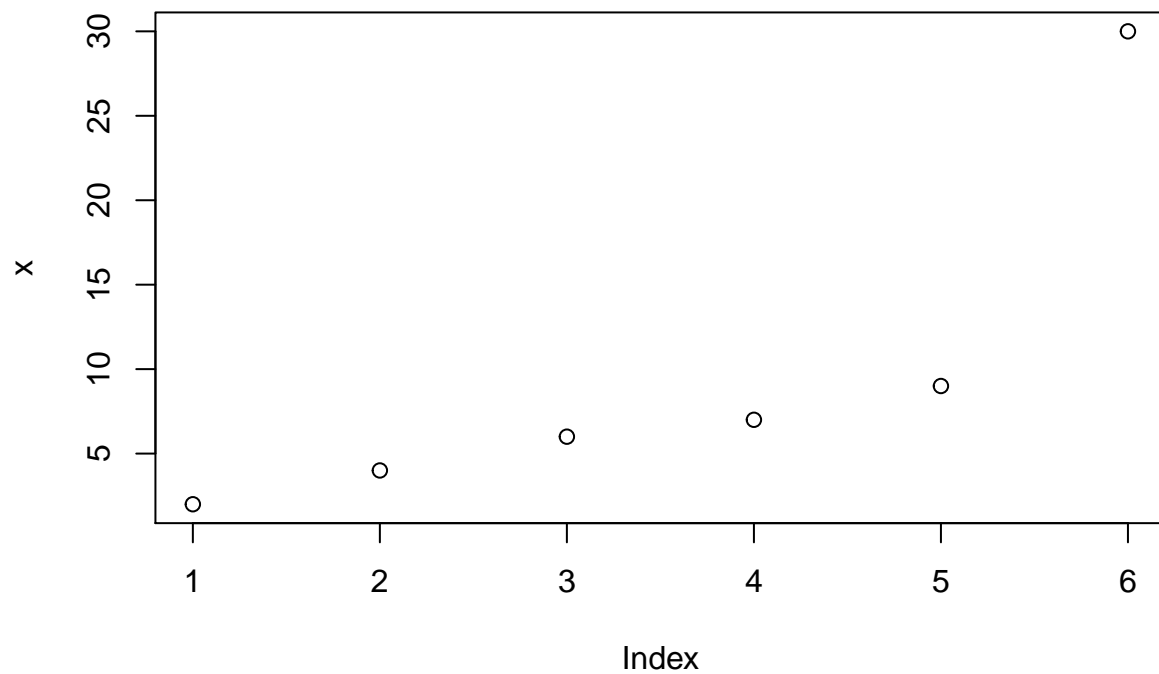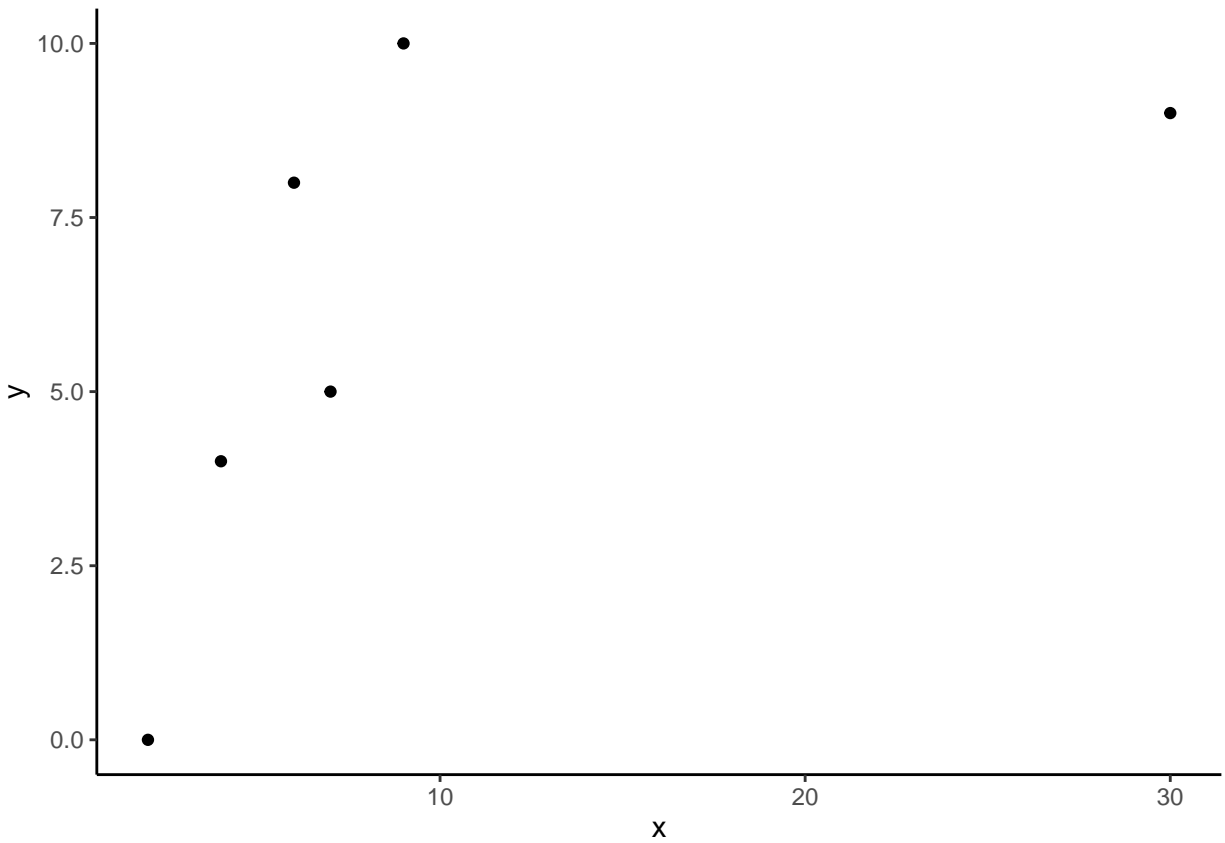
```r
df <- data.frame(x, y, row.names = NULL, check.rows = FALSE, check.names = TRUE, stringsAsFactors = defa
df
```

```
##     x  y
## 1   2  0
## 2   4  4
## 3   6  8
## 4   7  5
## 5   9 10
## 6 30  9
```

```r
windows()
ggplot(df, aes(x, y)) +
    geom_point() +
    theme_classic()
```

```
x %>%
    mean() %>%
    round(., 2) %>%
    ceiling()
```

```
## [1] 10
```