

R Markdown Example

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This is how you write basic math inline with text: $x + y = z$

This is how you write basic math in displayed equation:

$$x + y = z$$

This is how you write a matrix:

$$\mathbf{X} = \begin{pmatrix} x_{11} & x_{12} & x_{13} \\ x_{21} & x_{22} & x_{23} \end{pmatrix}$$

This is how you make a numbered list:

1. First element of list
2. Second element of list

This is how you make an unnumbered list:

- First element of list
- Second element of list

This is how you include basic R code:

```
set.seed(1)
x = rnorm(1000)
mean(x)
```

```
## [1] -0.01164814
```

```
sd(x)
```

```
## [1] 1.034916
```

```
y = rnorm(1000,mean=1,sd=2)
mean(y)
```

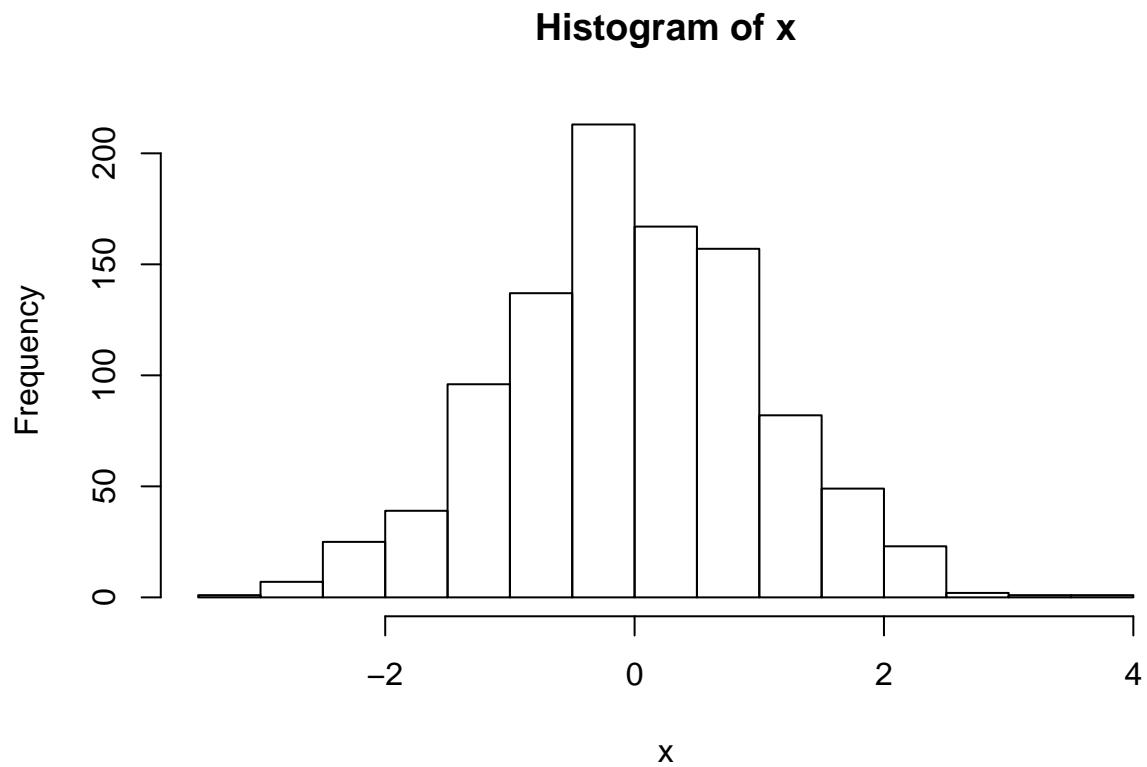
```
## [1] 0.9674762
```

```
sd(y)
```

```
## [1] 2.079963
```

This is how you include R code with figures (no difference!):

```
set.seed(1)
x = rnorm(1000)
hist(x)
```



This is how you include the value $\pi = 3.1415927$ inline with text.