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:

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

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:

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

## [1] -0.01164814

ds(x)

## [1] 1.034916

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

## [1] 0.9674762
```
This is how you include $\pi = 3.1415927$ inline with text.