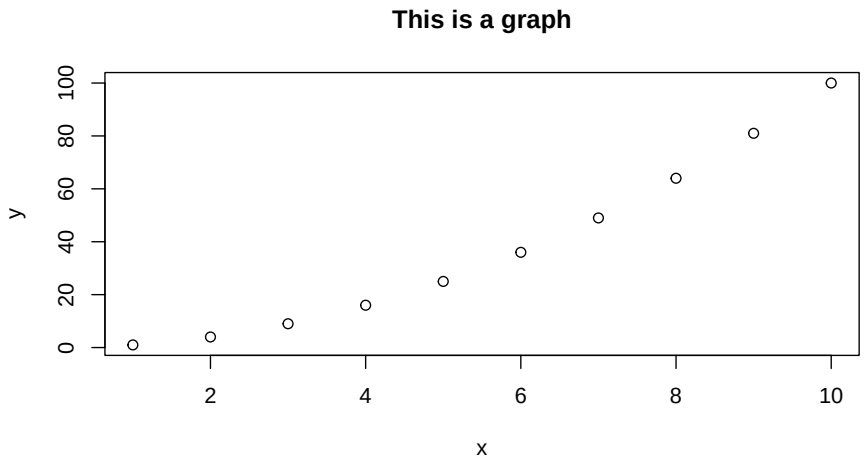
This is an example LaTeX document with some embedded R code woven in for convenience.

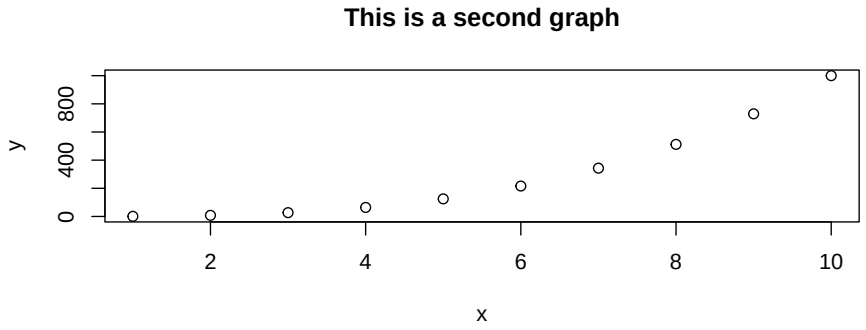
```
x = 1:10
y  = x ^ 2
plot(x, y, main = "This is a graph")
```



Inline expressions can be written by using the `\Sexpr{}` convention, e.g. $\pi = 3.1415927$ and 2.3492×10^{7} and 0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5.

A different subsection

We can insert graphs without displaying the code. This can be done using the `echo = FALSE` command within the code chunk argument list.



Any R code can be run within the code chunks provided by knitr. This next example loads up `ggplot2`, and the code creates a nice looking density histogram.

```
require(ggplot2)

## Loading required package:  ggplot2

my_data = data.frame(returns = c(0.03, 0.04, 0.05,
0.032, 0.01, 0.23, 0.4, 0.05, 0.066, 0.5),
stock = c("SPY", "CVX", "SPY", "SPY", "XOM"))

ggplot(my_data, aes(x = returns, fill = stock)) +
geom_density(alpha = 0.2)
```