# Easiest Sweave Template Ever

Your name goes here

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## 1 How to typeset R code

If you want to see both the input and output, do this:

```
> runif(10)
```

```
 [1] 0.45910183 0.50391891 0.33602899 0.72491145 0.02931360 0.22404506
 [7] 0.17605273 0.06864517 0.15328205 0.03517648
```

If you want to see output, but no input, do this:

```
 [1] 0.5321705 0.5061001 0.2129097 0.6510064 0.9101146 0.8251340 0.8426649
 [8] 0.6109111 0.6238003 0.2158274
```

If you want to see input, but no output, do this:

```
> runif(13)
```

If you want to run some R code but hide the input/output from the reader then you can do both at the same time:

and you can double-check that it worked later (if you like)

```
> x  # use keep.source=TRUE if you want comments printed
```

```
 [1]  2  3  4  5  6  7  8  9 10 11
```

```
> y
```

```
 [1] 0.852922298 0.976145546 0.547123603 0.091620613 0.118176273 0.803849233
 [7] 0.765275565 0.191422288 0.492622677 0.004189721
```

If you want to write some R code but not have it evaluated at all then do this:

```
> # whatever you write here must be syntactically correct R code
> runif(10000000000000000000000000)
```

If you would like to include a figure that's generated completely by R code, then you can do something like the following.

Sometimes we would like the output to look like LaTeX output instead of R output. In that case, do the following.

```
> library(xtable)
> xtable(summary(lm(y ~ x)), caption = "Here is the table we made")
```

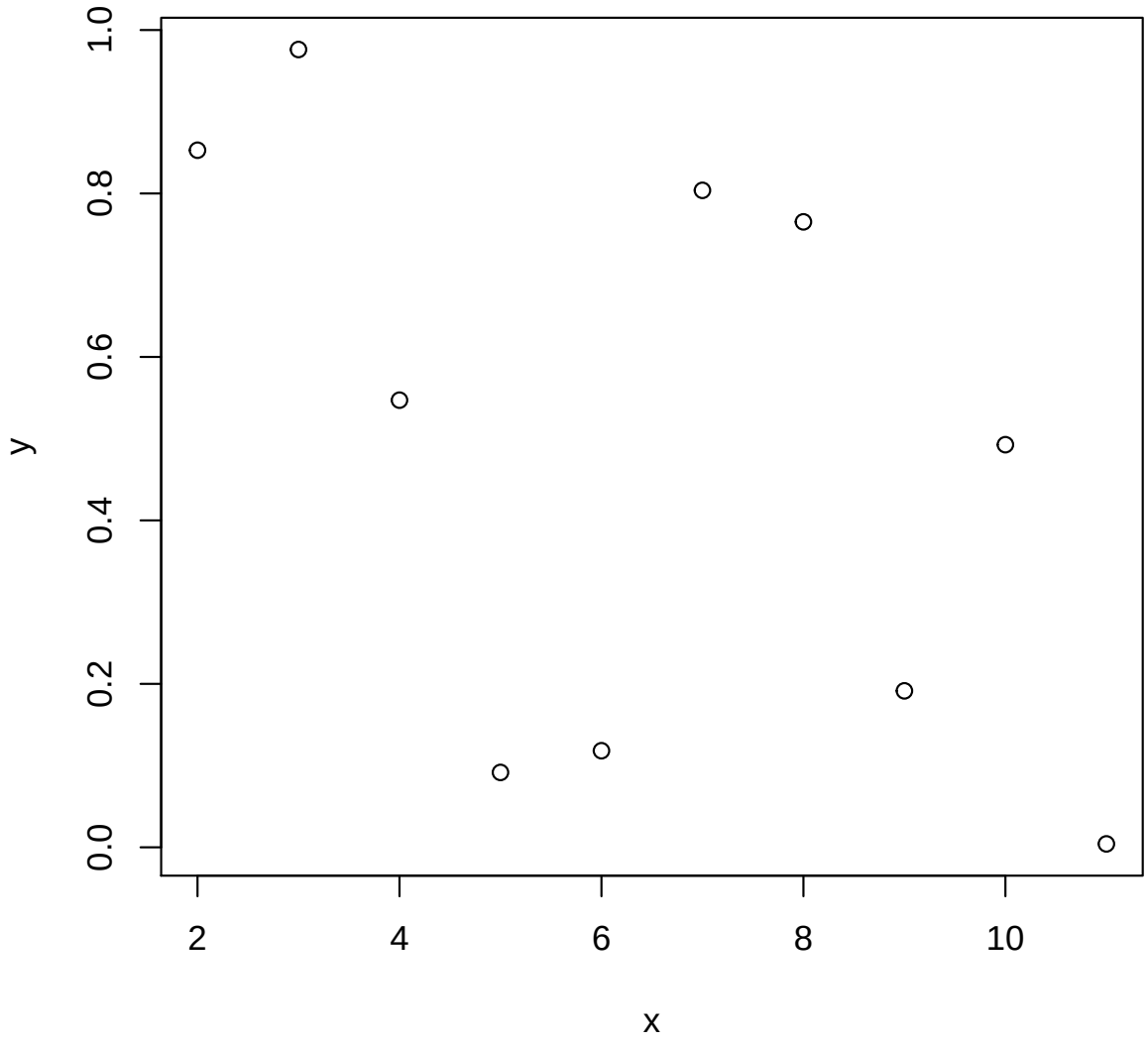


Figure 1: Here is the plot we made

| | Estimate | Std. Error | t value | Pr(>\|t\|) |
|---|---|---|---|---|
| (Intercept) | 0.8820 | 0.2563 | 3.44 | 0.0088 |
| x | -0.0612 | 0.0361 | -1.70 | 0.1283 |

Table 1: Here is the table we made