

sweave demo

this file is a demo for the sweave package that allows to embed R code inside latex documents.

1 how to run this

here's how to get the output of this file:

```
#!/bin/bash
rscript -e "Sweave('file.rnw')" # get the .tex file
rscript -e "Stangle('file.rnw')" # get the .R file
```

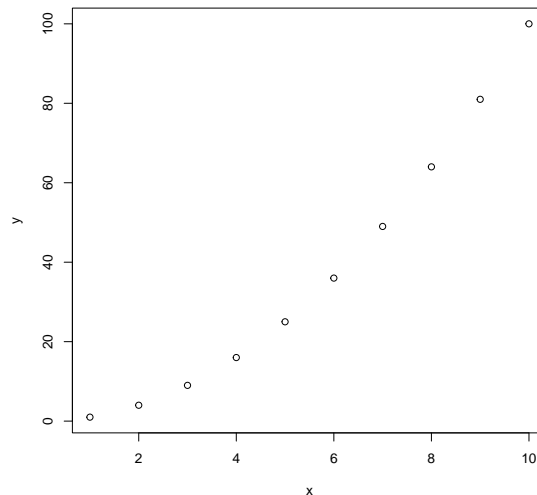
but be careful, as you'll most likely miss the `Sweave.sty` dependency when compiling the `.tex` file.

2 the code

here's our R code block that's embedded inside the latex document.

```
x <- 1:10
y <- x^2

plot(x, y)
```



```
print(x)
## [1] 1 2 3 4 5 6 7 8 9 10

print(y)
## [1] 1 4 9 16 25 36 49 64 81 100
```

3 the config

when embedding code blocks, here are some possible options for the sweave package:

- `echo` = show the code block
- `eval` = evaluate the code block
- `results` = show the results
- `fig` = show the figures
- `eps` = export the figures as eps