Example

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Abstract

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1 Introduction and some R code

Let's start with an equation:

$$v_j^* = v_j + \tau^2 \tag{1}$$

Now, some R code:

```
## Create 100 normally distributed numbers
x <- rnorm(100)
## Estimate mean
mean(x)
```

```
[1] 0.1008427
```

The mean of x is 0.101

2 Plot a histogram

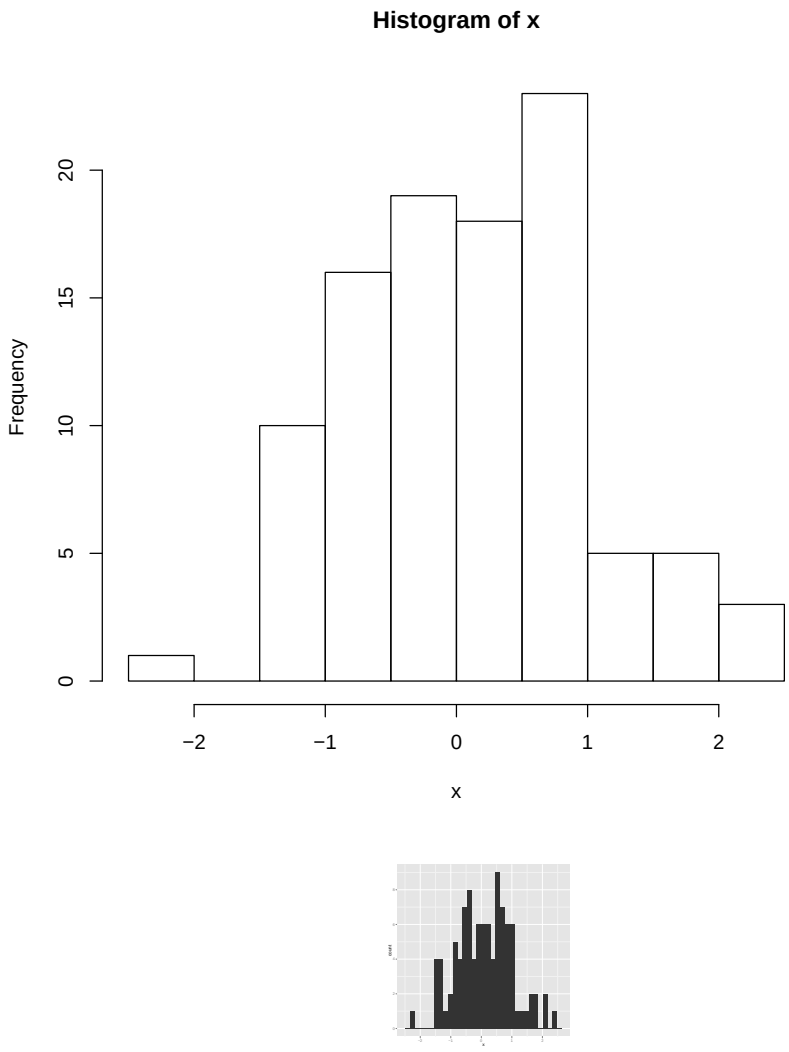

Figure 1: A beautiful ggplot2 plot

See Figure 1 blablabla

3 Use the Bash!

```
total 127
```

```
drwxr-xr-x    7 Bernd    Administ     4096 Jul  6 08:18 .
drwxr-xr-x   10 Bernd    Administ     4096 Jul  5 19:00 ..
drwxr-xr-x    1 Bernd    Administ        0 Jul  5 19:00 auto
-rw-r--r--    1 Bernd    Administ     6299 Jul  5 19:00 d_example.html
-rw-r--r--    1 Bernd    Administ     2462 Jul  6 08:18 d_example.org
-rw-r--r--    1 Bernd    Administ   237121 Jul  6 08:18 d_example.pdf
-rw-r--r--    1 Bernd    Administ     2803 Jul  6 08:18 d_example.tex
```

```
1 substr(x, 1, 30)
```

```
[1] "total 127\ndrwxr-xr-x    7 Bern"
```