

1 Introduction

Let's first simulate some data.

```
> x <- rnorm(100)
> y <- x + rnorm(100, sd = 0.5)
```

Here is a scatterplot of the data.

```
> par(mar = c(5, 4, 1, 1), las = 1)
> plot(x, y, main = "My Data")
```

