

Bare Bones

Alan Arnholt

Apr 12, 2016

Contents

1	Introduction	1
2	Methods	1
2.1	Data Collection	1
2.2	Exploratory Analysis	1
2.3	Statistical Modeling	1
3	Results	2
3.1	Cross Validation	2
3.2	Best Model	2
4	Conclusions	2
5	References	2

1 Introduction

This is an introduction. See Figure 1 for an example of a density histogram.

2 Methods

2.1 Data Collection

2.2 Exploratory Analysis

2.3 Statistical Modeling

```
mod.lm <- lm(Assault ~ UrbanPop, data = USArrests)
anova(mod.lm)
```

```
## Analysis of Variance Table
##
## Response: Assault
##           Df Sum Sq Mean Sq F value Pr(>F)
## UrbanPop   1  22806 22805.9   3.4477 0.06948 .
```

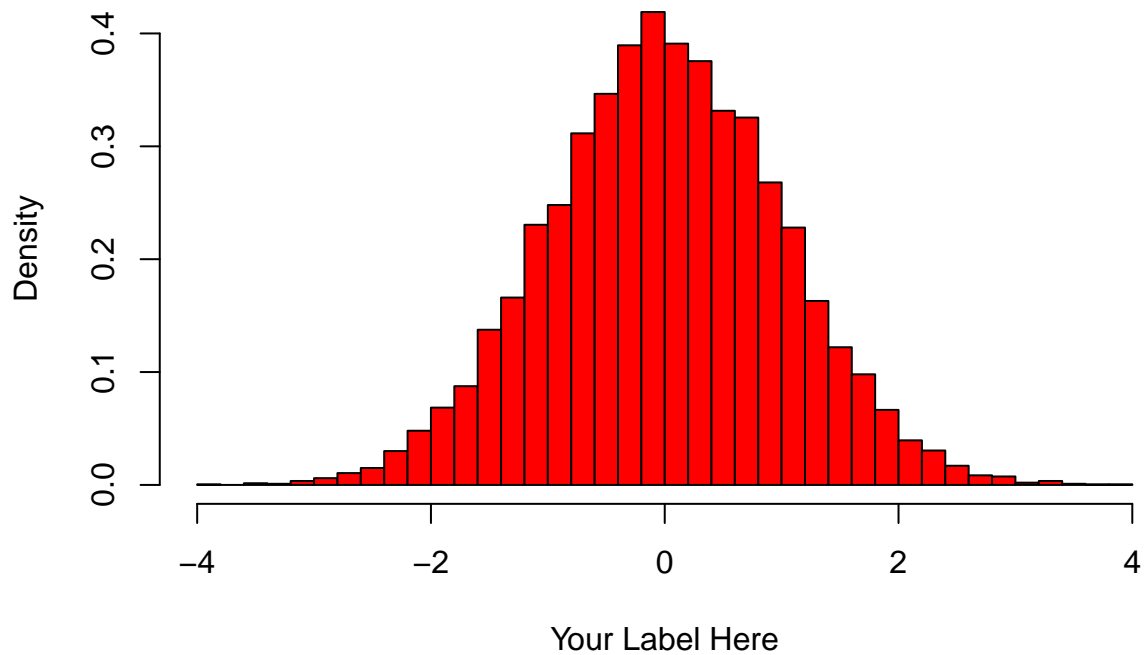


Figure 1: This is where you should write your figure description

Table 1: ANOVA for regressing ‘Assault’ on ‘UrbanPop’

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
UrbanPop	1	22805.93	22805.933	3.448	0.069
Residuals	48	317507.19	6614.733	NA	NA

```
## Residuals 48 317507 6614.7
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Suppose you want the last output in a Table. See Table 1.

3 Results

3.1 Cross Validation

See equation 1.

$$a^2 + b^2 = c^2 \tag{1}$$

3.2 Best Model

4 Conclusions

5 References