# Introduction to Machine Learning

#### Lab 1

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### Assignment 2

#### 2.2

#### Distribution

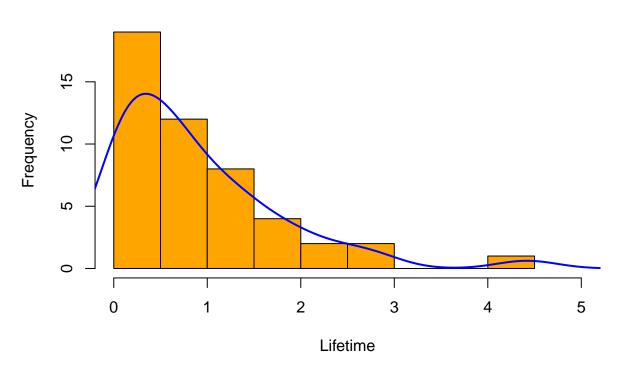


Figure 1: Data Distribution.

## Log-Likelihood

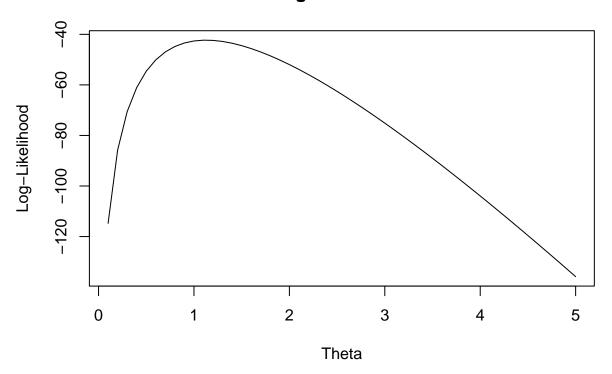


Figure 2: Likelihoods.

## Log-Likelihood

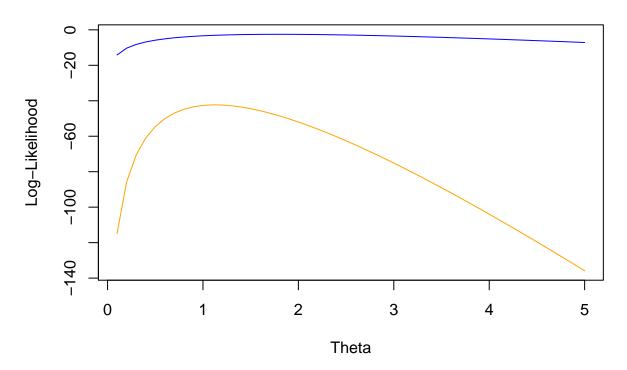


Figure 3: Likelihoods.

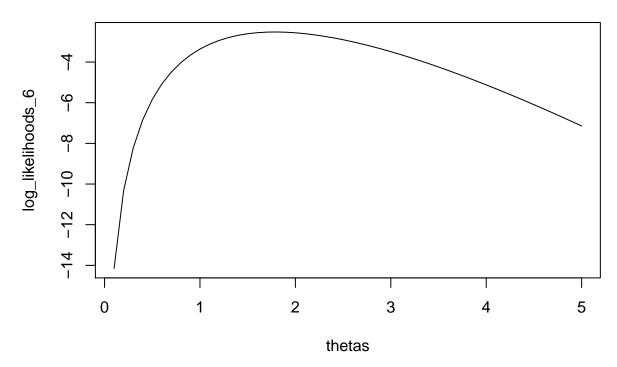


Figure 4: Likelihoods.

#### 2.4

## Log-Posterior

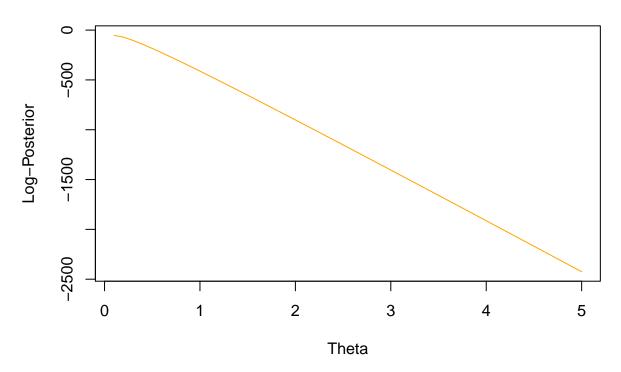


Figure 5: Likelihoods.

#### Histogram of new\_data Histogram of data\$Length Frequency Frequency

Figure 6: Likelihoods.

data\$Length

new\_data