MONASH University

Expert advice from experts

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Report for
Acme Corporation

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BUSINESS
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1 Introduction

In a famous paper, **BC64** introduced a family of transformations ...

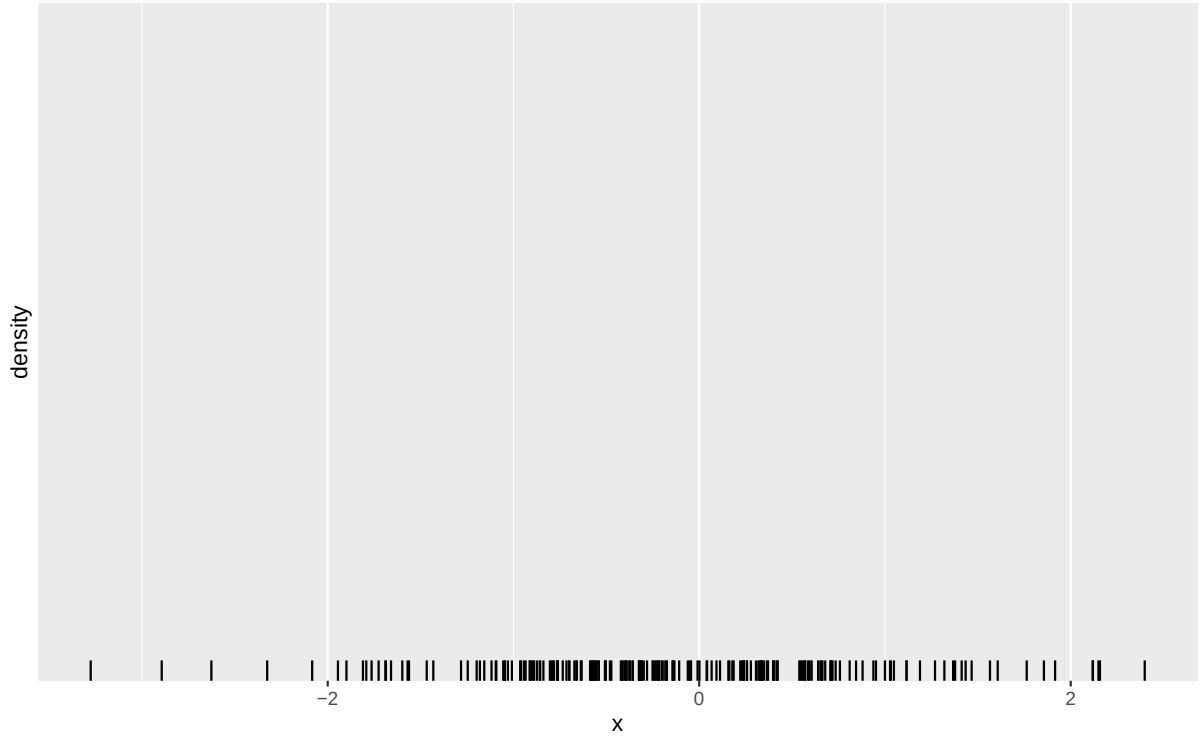

Figure 1: *Simulated data from a N(0,1) distribution.*

Figure 1 shows a kernel density estimate of simulated data from a N(0,1) distribution. The sample variance is given by

$$s^2 = \frac{1}{n-1}\sum_{i=1}^{n}(x_i - \bar{x})^2 = 0.98. \tag{1}$$

Note that Equation 1 is an unbiased estimate of the variance, but it is not the maximum likelihood estimate (**Rice2007**).