AN EXAMPLE DISSERTATION

Nate Iverson

A Dissertation

Submitted to the Graduate College of Bowling Green
State University in partial fulfillment of
the requirements for the degree of

DOCTOR OF PHILOSOPHY

August 2007

Committee:

Corneliu Hoffman, Advisor

Darth Vader,
Graduate Faculty Representative

Kit Chan

Warren McGovern

ABSTRACT

Corneliu Hoffman, Advisor

Darth Vader: There is no escape. Don't make me destroy you. pauses Luke, you do not yet realize your importance. You have only begun to discover your power. Join me, and I will complete your training. With our combined strength, we can end this destructive conflict and bring order to the galaxy. Luke Skywalker: I'll never join you! Darth Vader: If you only knew the *power* of the dark side. Obi-wan never told you what happened to your father. Luke Skywalker: He told me enough! He told me *you* killed him. Darth Vader: No. *I* am your father.

This is the greatest thrill of my life! I'm king of the world! Wooo, wooo! Wooo, wooo!

– Homer Simpson

Bart the Daredevil

ACKNOWLEDGMENTS

I would like to acknowledge . . .

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

PREFACE

Blah Blah Blah...

CHAPTER 1   SOME QUOTES

1.1 Thoreau

You never gain something but that you lose something.

– Thoreau

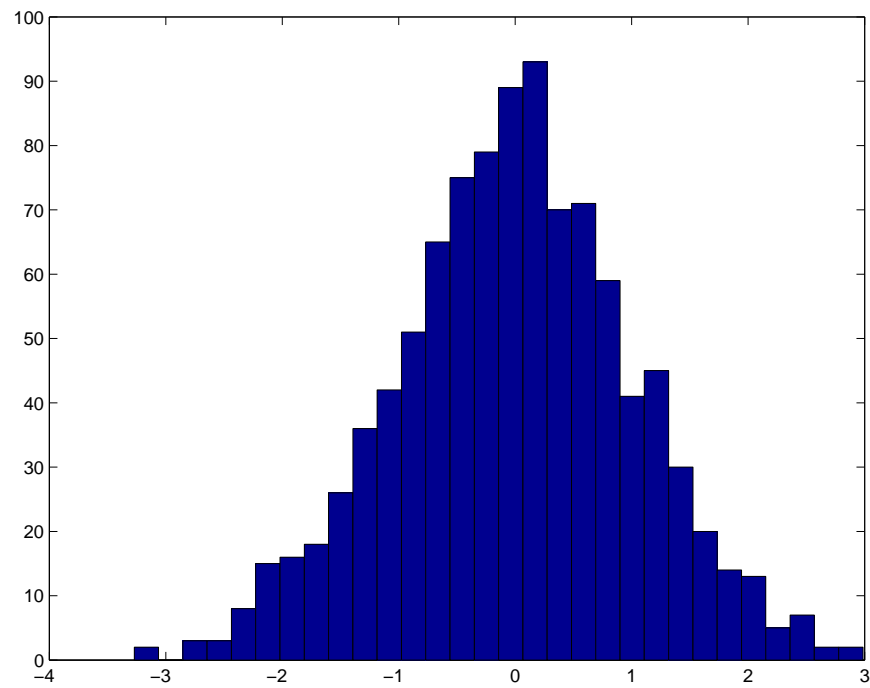## 1.2 Unknown

And dropping a barbell he points to the sky

Figure 1.1: Caption of a figure.

Table 1.1: The values of test statistics and the corresponding critical values at t_0. $\alpha = 0.1$.

t_0	30	60	90	120	150	180
Critical Value	11.2282	10.5357	11.1108	11.7942	11.7343	11.7471
Test Statistic	25.3182	24.6395	24.6049	25.6623	27.1320	29.3247

1.3 Citations

To cite an article use cite, citet, or citep.

For "in text" citations use citet: The original result is attributed to von Neumann (1928). Refer to Mardia (1970) for an example. Refer to Mardia (1970) for an example.

For a "parenthetical citation" use citep: The computations were implemented in R (R Core Team, 2014) using bootstrap (Davison and Hinkley, 1997; Efron and Tibshirani, 1993).

When citing a book, it is helpful to mention where to find the result by indicating a chapter or a page number or an equation number: Efron and Tibshirani (1993, Ch. 6) discuss additional results.

Add your reference information to the file reference.bib. Every time you edit reference.bib, run BibTeX on the dissertation.tex file so that LaTeX will know what the references are.
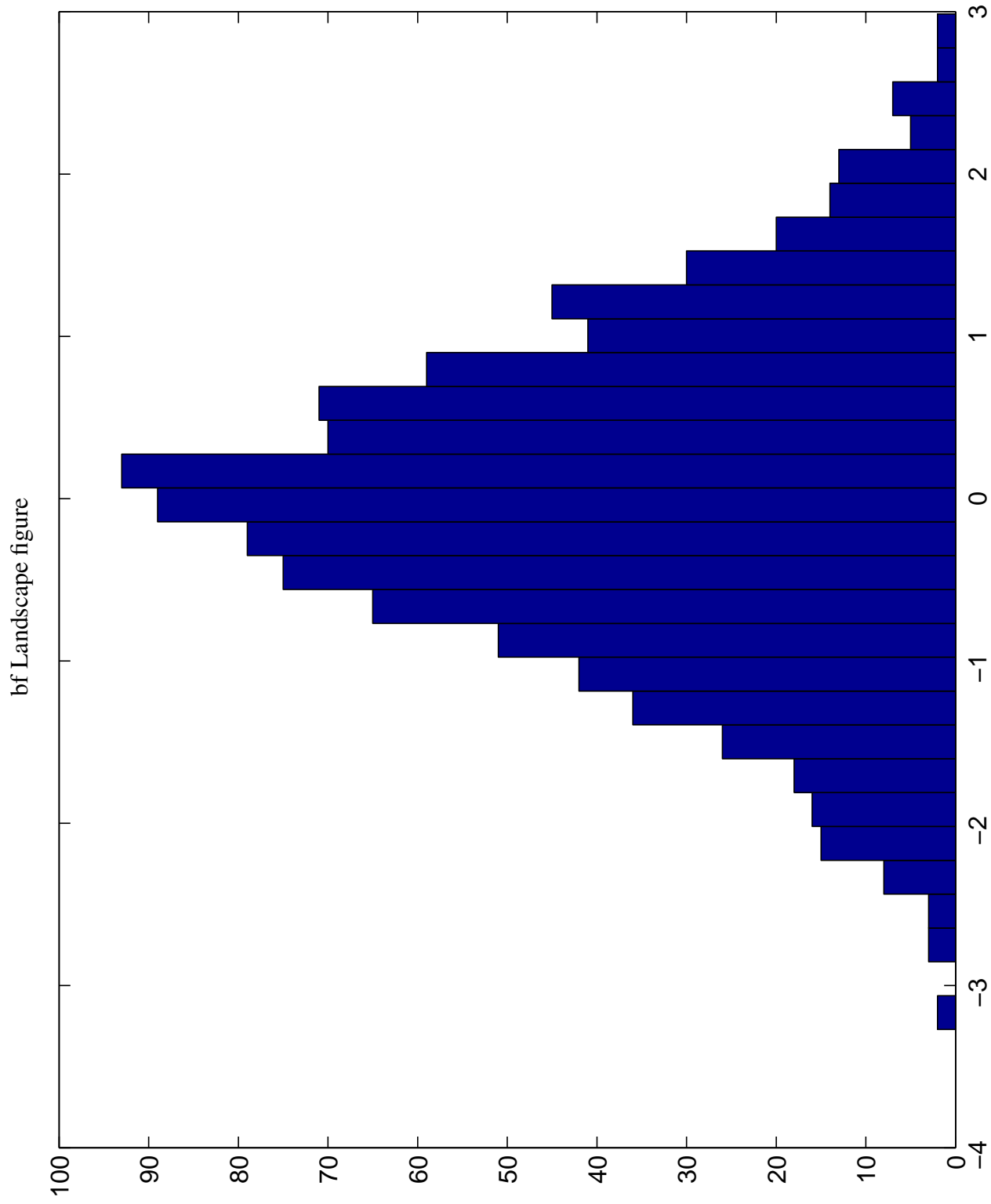
bf Landscape figure

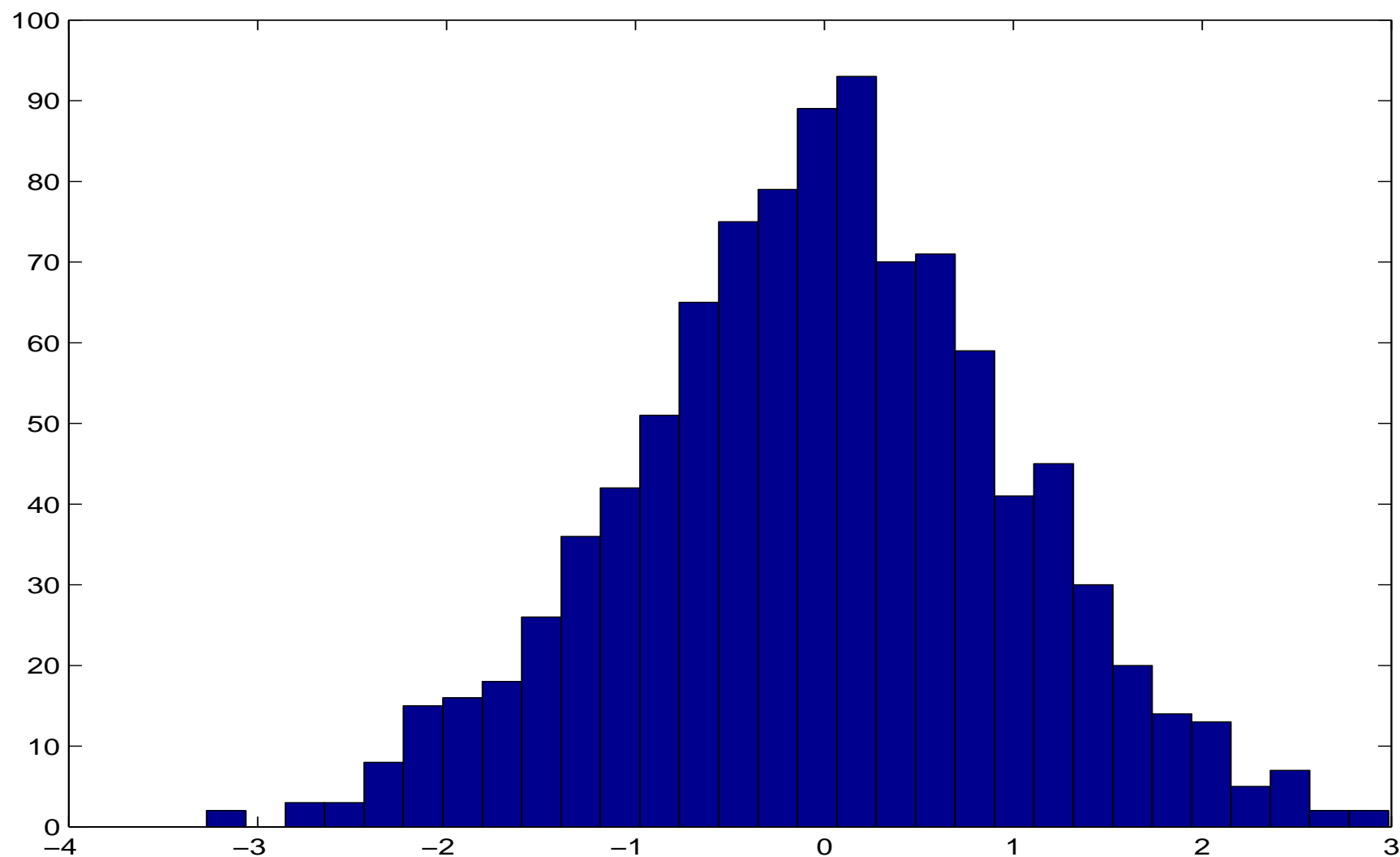Figure 1.2: Long label for under the actual figure.

Figure 1.3: Long caption to appear under the figure. Hopefully the figure is not so large that there is no room for the caption, because then the caption might move to a different page, or the text might go into the margin, and that would be bad!

CHAPTER 2   BOB DYLAN

John the Baptist after poisoning a thief, Looks up at his hero, the Commander-in-Chief, Saying tell me great leader, but please make it brief Is there a hole for me to get sick in? The Commander-in-Chief answers him while chasing a fly, Saying death to all those who would whimper and cry. And dropping a barbell he points to the sky, Saying the sun is not yellow, it's chicken. – Bob Dylan, "Tombstone Blues"

CHAPTER 3 SILLYNESS

MY NAME IS NOT DR. DEATH

MY NAME IS NOT DR. DEATH

MY NAME IS NOT DR. DEATH

MY NAME IS NOT DR. DEATH

Bart Simpson on chalkboard in episode 8F18

3.1 Firefly

River: "I took you away from there."

Simon: "No."

River: "I know I did. You don't think I do, but... I get confused. I remember everything. I remember too much and.... Some of it's made up and... some of it can't be quantified and there's secrets..."

Simon: "It's okay."

River: "But I understand. You gave up everything to find me, and you found me broken. It's hard for you. You gave up everything you had."

Simon: "Mei mei, everything I have is right here."

CHAPTER 4   HOW TO PROVE IT

4.1 proof by accumulated evidence:

Long and diligent search has not revealed a counterexample.

4.2 proof by cosmology:

The negation of the proposition is unimaginable or meaningless. Popular for proofs of the existence of God.

4.3 proof by mutual reference:

In reference A, Theorem 5 is said to follow from Theorem 3 in reference B, which is shown to follow from Corollary 6.2 in reference C, which is an easy consequence of Theorem 5 in reference A.

4.4 proof by metaproof:

A method is given to construct the desired proof. The correctness of the method is proved by any of these techniques.

CHAPTER 5   OTHERNESS

In a surprise raid last night, federal agents ransacked a house in search of a rebel computer hacker. However, they were unable to complete the arrest because the warrant was made out in the name of Don Provan, while the only person in the house was named don provan. Proving, once again, that Unix is superior to Tops10.

5.1 deja-vu

Over the years, I've developed my sense of deja vu so acutely that now I can remember things that *have* happened before ...

BIBLIOGRAPHY

Davison, A. and D. Hinkley (1997). *Bootstrap Methods and their Application*. Oxford: Cambridge University Press.

Efron, B. and R. Tibshirani (1993). *An Introduction to the Bootstrap*. Boca Raton, FL: Chapman & Hall/CRC.

Mardia, K. V. (1970). Measures of multivariate skewness and kurtosis with applications. *Biometrika 57*, 519–530.

R Core Team (2014). *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing.

von Neumann, J. (1928). Zur theorie der gesellschaftsspiele. *Math. Annalen 100*, 295–320.

APPENDIX A   SELECTED R PROGRAMS

Text of appendix goes here.

- The function kernel is used to compute the kernel function of variances

```
kernel<-function(x,y){
  h <-  0.5*(x-y)^2
  return(h)
}
```