UNIVERSITETET I AGDER

Title of your project goes here

by

Your name here

Master Thesis in
Information and Communication Technology

DRAFT VERSION 0.1

The University of Agder

Grimstad, March 10, 2012

Abstract

Your absctract goes here. Thesis template by Aleksander M. Stensby.

Preface

Your preface goes here.

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Chapter 1

Introduction

Approx. 10 pages

This document forms a general structure for a thesis. Normally, background, and solution chapter may be split into several different chapters!

1.1 Introduction

In this report we investigated what might be are the best (Thingen vi skal finne igjen) for different types of bandits and Goore games. By changing the bandits with adding more arms or changing the values of the arms, then recorded the simulations to see what difference it made to the simulation. Then check what are the best possible (The varible) are in that case.

1.2 Motivation

1.3 Goal

Goal of the thesis.

1.3.1 Field of research

1.4 Thesis definition/objective / Statement of the Problem

1.5 Contributions

1.6 Target audience

1.7 Report outline / Thesis Organization

Chapter 2

Background

2.1 Sample stuff

Some simple and useful latex formatting.

2.1.1 Quotations and citing

It is explained in detail in [**?**, Ch.20] that

> *"the true hypothesis eventually dominates the Bayesian predication. For any fixed prior that does not rule out the true hypothesis, the posterior probability of any false hypothesis will eventually vanish, simply because the probability of generating "uncharacteristic" data indefinitely is vanishingly small."*

2.1.2 Figures

This distribution, and its probability density function, is displayed in Figure **??**.

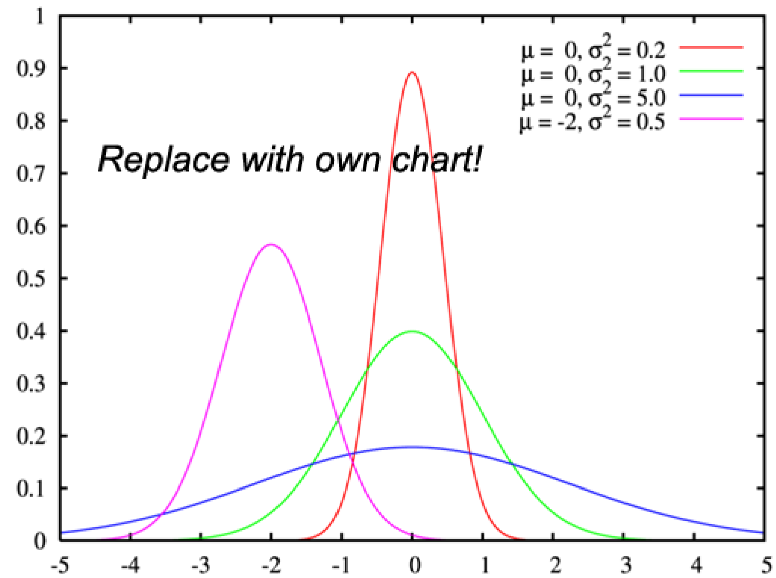

Figure 2.1: The Normal distribution PDF.

2.1.3 Equations

By using these probabilities, and Bayes formula, we can derive the Bayes classifier.

$$P(\omega_i|\boldsymbol{x},\mathcal{X}) = \frac{p(\boldsymbol{x}|\omega_i,(X))P(\omega_i|\mathcal{X})}{\sum_{j=1}^{c} p(\boldsymbol{x}|\omega_j,\mathcal{X})P(\omega_j|\mathcal{X})}, \tag{2.1}$$

when we can separate the training samples by class into c subsets $\mathcal{X}_1, \ldots, \mathcal{X}_c$, with the samples in $\mathcal{X}_i$ belonging to ω_i.

Chapter 3

Proposed Solution

Approx. 10 pages

3.1 Proposed solution / algorithm

3.1.1 The basic algorithm

3.1.2 Discussion of design issues

3.1.3 Algorithmic Enhancements

3.1.4 Discussion of the Parameter Space

3.2 Prototype

3.3 Justification of Claim to Originality

3.4 Valuation of Contribution

3.5 Alternatives

Chapter 4

Testing

Chapter 5

Conclusion and further work

Approx. 5 pages

5.1 Summary of Results

5.2 Conclusion

"My conclusion offers a compelling final comment to my argument, one that is persuasive for my intended audience."

5.3 Contributions

List of contributions to new knowledge

5.4 Further Work