Aarhus University

Decision Support Systems

PROJECT REPORT

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Kapitel 1

INTRODUCTION

In this project report, the reader will be presented with problem solutions for the course Decision support systems. Throughout the solution the reader will achieve knowledge on several different subject within the main area. Each topic will be presented with the theory along with solutions for appropiate exercise to validate the presented theory.

The main topics which will be handled in this report will be as follows:

- Simple linear regression / Multiple linear regression
- Logisitic regression / Linear discriminant analysis
- Cross validation / Bootstrap
- Subset selection
- Shrinkage methods / DImension reduction methods

Kapitel 2

SIMPLE LINEAR REGRESSION / MULTIPLE LINEAR REGRESSION

Kapitel 3

LOGISITIC REGRESSION / LINEAR DISCRIMINANT ANALYSIS

Kapitel 4

CROSS VALIDATION / BOOTSTRAP

Kapitel 5

SUBSET SELECTION

Kapitel 6

SHRINKAGE METHODS / DIMENSION REDUCTION METHODS