

# Assignment 1

Silvan Robert Adrian

November 26, 2018

## Contents

<b>1</b>	<b>Make Your Own</b>	<b>1</b>
<b>2</b>	<b>Illustration of Markov's and Chebychev's Inequalities</b>	<b>1</b>
<b>3</b>	<b>Tightness of Markov's Inequality</b>	<b>1</b>
<b>4</b>	<b>Digits Classification with Nearest Neighbours</b>	<b>1</b>
<b>5</b>	<b>Nearest Neighbours for Multiclass Classification</b>	<b>1</b>
<b>6</b>	<b>Linear Regression</b>	<b>1</b>

## **1 Make Your Own**

1. Profile information (previous grades etc.)
- 2.
- 3.
- 4.
- 5.

## **2 Illustration of Markov's and Chebychev's Inequalities**

## **3 Tightness of Markov's Inequality**

## **4 Digits Classification with Nearest Neighbours**

## **5 Nearest Neighbours for Multiclass Classification**

## **6 Linear Regression**

1. See `code.zip`
- 2.
3. The plot is provided in figure ??.
- 4.
- 5.