Goldsmiths
UNIVERSITY OF LONDON

The title

Your name

Supervisor: Dr. A Anon

Submitted in partial fulfilment of the requirements
for the degree of BSc Creative Computing
of the University of London.

Department of Computing
Goldsmiths, University of London

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I certify that this dissertation, and the research to which it refers, are the result of my own work.

Abstract

Aim for around 200–300 words to highlight the main points and contributions of your project.

Acknowledgements

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List of abbreviations

XXX something

Chapter 1

Introduction

1.1 Motivation

1.2 Aim

1.3 Thesis structure

Chapter 7

1.4 Contributions

Contributions of this thesis are:

- Blah

Chapter 2

Background

2.1 Background

2.2 Literature review

Foo (2017) propose...

Chapter 3

Specification and design

3.1 System design

Diagrams would be good here.

Chapter 4

Implementation

4.1 System architecture

4.2 Software implementation

Only include code where it is essential to make a point, e.g. a clever optimisation trick you implemented. Do not copy and paste lots of boilerplate code in your report, refer to your git repository.

Listing 1 Example of typesetting code. Keep code snippets short!

```
# Generate example data.
np.random.seed(13)                  # Seed the random number generator.
n=50                                # Number of observations.
happiness_levels = ['very sad', 'sad', 'neutral', 'happy',
                    'very happy']
happiness_prob = [0.05, 0.2, 0.3, 0.35, 0.1]

s = pd.Series(np.random.choice(happiness_levels, n,
                               p=happiness_prob),
              name='happiness')

# Set correct data type.
s = s.astype(
    pd.api.types.CategoricalDtype(
        ordered=True,
        categories=happiness_levels))

# Compute percentages.
pc = s.value_counts(sort=False, normalize=True) * 100

# Plot.
ax = pc.plot.bar(rot=0)
ax.yaxis.set_major_formatter(
    mpl.ticker.PercentFormatter(decimals=0))
ax.set_xlabel('happiness raitings')

plt.show()
```

Chapter 5

Software testing

5.1 Unit testing

5.1.1 Results

Table 5.1: This is some example data

	id	a	b
	0	1	2
	1	3	4
total		4	6

5.2 Load testing

5.2.1 Results

Chapter 6

Evaluation

6.1 User testing

6.2 Results

Figure 6.1 shows...

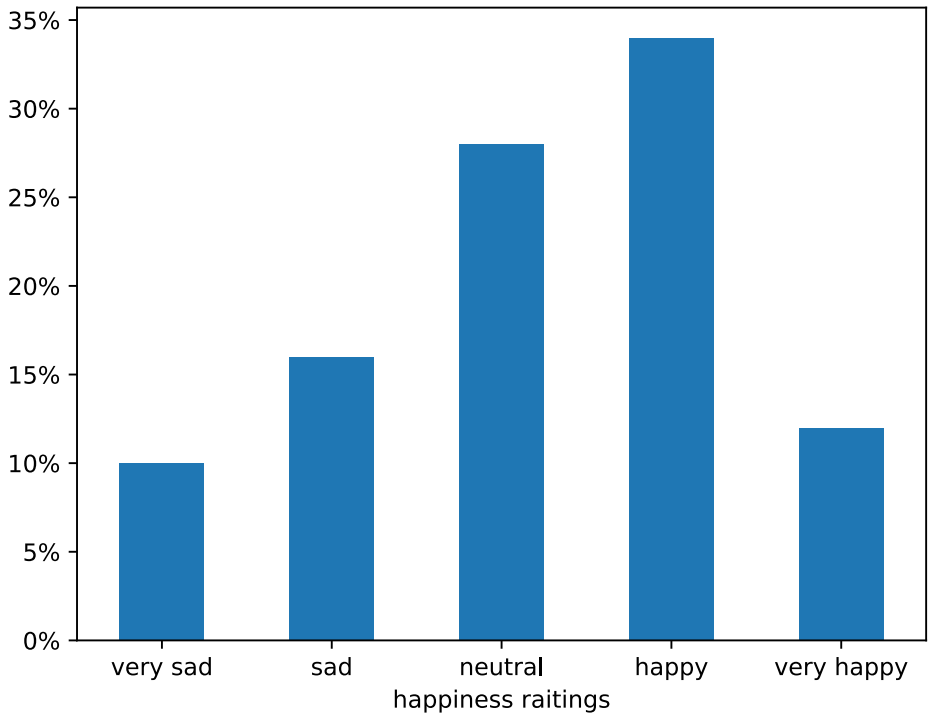

Figure 6.1: User ratings

Chapter 7

Conclusions and further work

7.1 Summary of contributions

7.2 Further work

Bibliography

Foo, b. (2017). ‘The title’. In: *ένα καλό περιοδικό* 35.3, pp. 4–7. DOI: 10.xxx/xxx.xx-xxx-xx-xx-xxx.

Appendix A

Notational conventions

$S = \{...\}$	the set S
$S \times S'$	the Cartesian product of S and S'
$\lvert S \rvert$	the cardinality of S
$\emptyset$	the empty set
$\mathbb{R}$	real numbers
$\mathbb{R}^+$	positive real numbers
$\mathbb{R}^k$	k-dimensional real vector space
$\mathbb{Z}$	integer numbers
$\mathbb{Z}^+$	positive integer numbers
$\mathbb{N}$	non-negative integer numbers
$[x, y]$	inclusive real-number interval between x and y
$[x..y]$	inclusive integer-number interval between x and y
$\mathbf{v} = \langle ... \rangle$	the vector $\mathbf{v}$
$\mathbf{M} = [m_{ij}]$	the matrix $\mathbf{M}$
$\mathbf{m}_i^j = \langle e_1, e_2, \dots, e_j \rangle$	the ordered sequence of length $j \in \mathbb{Z}^+$, indexed by $i \leq j$
$\parallel$	tuple concatenation: $\langle 0, 1 \rangle \parallel \langle 2, 3 \rangle \rightarrow \langle 0, 1, 2, 3 \rangle$
$\top$	the symbol denoting undefined