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Analysis and Visualisation of Dynamic Social Networks

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Analysis and Visualisation of Dynamic Social Networks

Master dissertation

Master Degree in Computer Science

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Write acknowledgements here

ABSTRACT

Write abstract here (en) or import corresponding file

RESUMO

Escrever aqui resumo (pt) ou importar respectivo ficheiro

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LIST OF ABBREVIATIONS

SN	Social Network
SNA	Social Network Analysis
ONS	Online Social Network

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INTRODUCTION

1.1 CONTEXT AND PROBLEM

SNs, SNAs, OSNs, Unstructured Data Analysis

1.2 MOTIVATION

1.3 GOALS

SOCIAL NETWORKS IN SOCIOLOGY

ONLINE SOCIAL NETWORKS

Present table and comment. A, B and C are studied more deeply in the following sections.

3.1 SN A

3.1.1 *Domain Modeling*

3.1.2 *API*

3.2 SN B

3.3 SN C

SOCIAL NETWORK ANALYSIS

4.1 NETWORK ANALYSIS

4.1.1 *Scientific Background*

Graphs

Statistics

...

4.1.2 *Power Law*

4.1.3 *Centrality Measures*

4.1.4 *Link Analysis*

4.1.5 ...

4.2 NETWORK VISUALISATION

It's a science by itself.

4.3 REAL WORLD APPLICATIONS

What SNAs are used for.

STATE OF THE ART

State of the art review; related work

5.1 BASICS/BACKGROUND/RELATED WORK

Example of a citation where the author should be cited directly on the text like, the work of ?, on producing L^AT_EXfiles with BibT_EX references.

Another way of citing without a direct mention to the author can be used like the work done on C language (?).

THE PROBLEM AND ITS CHALLENGES??

PROPOSED SOLUTION

7.1 SOLUTION REQUIREMENTS

7.1.1 *Requirements Analysis*

7.1.2 *Requirements Specification*

7.1.3 *Requirements Prioritisation*

7.2 SYSTEM MODELING

7.3 SYSTEM ARCHITECTURE

7.4 TECHNOLOGY SELECTION

7.4.1 *Technology A*

7.4.2 *Technology B*

7.4.3 *Technology C*

7.4.4 *Technology Comparison*

7.4.5 *Decision*

IMPLEMENTATION

8.1 DATA EXTRACTION

8.1.1 *Data Sources*

8.2 DATA MINING

8.3 BACK END

8.4 FRONT END

8.5 OUTCOMES

CASE STUDIES

Application of main result (examples and case studies)

9.1 RESULTS

9.2 DISCUSSION

9.3 SUMMARY

CONCLUSION

Conclusions and future work.

10.1 CONCLUSIONS

10.2 PROSPECT FOR FUTURE WORK



SUPPORT MATERIAL

Auxiliary results which are not main-stream; or

Details of results whose length would compromise readability of main text; or

Specifications and Code Listings: should this be the case; or

Tooling: Should this be the case.