BTU Cottbus, Chair of IT Security   Winter term 2019/2020
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Part VI: Report   Deadline: 8th March 2020

Study Project: Adversarial Machine Learning

Introduction

After researching and developing bigger projects like we have done during this study project class it is very important to report on the obtained results. Therefore, in this last task, we want to document the whole process of the project by means of a final report. Within this document we want to state the problem, the ideas raised to solve it and the difficulties observed / goals achieved during dealing with the project. To give this report the adequate weight it will be graded by 30 points instead of the usual 10 points from the intermediate tasks.

Main Task

Document your working process of your study project in form of a scientific report of at least 20 pages of text.[1] The report should discuss/include the following aspects:

- Discussion of the Problem: Describe the problem itself (research question) and why it is important to study it. Research and mention related work to the topic of Website Fingerprinting to underpin your writing.

- Description of the Laboratory Setup: Describe and explain your test-bet used during this project in such a way that each step is reproducible. On each explanation take reference to the problem discussion you have written before and elaborate shortly on why this setup is adequate to answer the research question.

- Discussion of the methods to research on the problem under consideration: Describe the methods you apply to answer the research question. Why these are adequate to answer the question? Make sure that the description of your methodology is such detailed that the project could be reproduced obtaining the same results.

- Evaluation of the results of the project: Discuss the obtained results and observations you could take from your work.

- Conclusion and future research: Discuss the aspects which are better understand after closing your project. Which aspects are still unclear? Elaborate on questions of interest for future research. May also discuss new questions raised by your research.

Please consider the following additional requirements, when preparing the final report:

a) The report must be created with LaTeX.

b) Shall be structured by using title page, table of contents, references and an optional appendix to include source codes and larger images.

c) The report must contain 20 pages of text at least; excluding table of contents and appendix.

d) Longer source codes exceeding more than 10 lines should be placed in the appendix. Further, source code should always be placed with line numbers and syntax highlighting.

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[1]Hereby we mean pages of text, i.e. title page, table of content, references, etc. will not taken into account.

LaTeX: Template

LaTeX is a document preparation system and is the standard for the communication and publication of scientific documents. Please consider the template from BTU's chair of distributed systems / operating systems to getting familiar with LaTeX:

a) You can download the template here.

b) The template also contains a short demonstration, how LaTeX works.

Useful references

The following references may help you to get familiar with LaTeX:

a) This Wiki provides a lot of information and guidelines.

b) If you don't want to install the LaTeX distribution on your local machine, you can use Overleaf, which is an online LaTeX-editor (free regestration required).

c) TeXstudio is an integrated writing environment for creating LaTeX documents.

d) Texmaker is an alternative writing environment for creation of LaTeX documents.

Good luck!