CS4.407: Online Privacy

Homework - 1 (45 Marks) Deadline: Sep 22, 2021 23:59

Instructions:

- Jupyter Notebooks / Google Colab are strongly recommended for doing the coding part of the assignment and showing any analysis, graphs and code.
- Please cite any sources that you might use in the process.
- Please write your own writeup and code. All writeup and code will be tested for plagiarism and if found, institute policy will be followed.
- *Do this assignment individually.*

Q1 [10 marks])

Read privacy policies of the following - Instagram, Zomato, Amazon (please use the links provided)

A) Identify relevant paragraphs in the privacy policy that address OECD & FTC guidelines. Submit the guideline and the respective policy text.
B) Describe the drawbacks (what is missing, how it can be made better) in the analyzed privacy policies.

Instagram: https://help.instagram.com/519522125107875

Zomato: https://www.zomato.com/policies/privacy/

Amazon: https://www.amazon.in/gp/help/customer/display.html?nodeId=GX7NJQ4ZB8MHFRNJ

Q2 [20 marks])

Create an automated tool to identify the relevant sentences covering the core privacy principle of Choice/Consent.

Input -> Entire Privacy Policy
Output -> Relevant sentences concerned with Choice / Consent.

Any technological solution works (pattern based approach / ML etc).

Use your findings from Question 1 to formulate and test your approach (please use the .txt files attached as inputs to your code). Demonstrate that your approach is generic and works for all policies. You must also explain your approach.

Q3 [15 marks])

Conduct interviews (minimum 5) to understand the attitude and awareness of privacy in India. It is preferable to have a varied demographic. Please use any set of 5 questions from the interview section of this report [look for Appendices in the report] and provide your takeaways from the interviews.

Submission instructions:

<roll_number>/

|_ <roll_number>_report.pdf

|_ q2/

|_<roll_number>_q2.ipynb

|_ <roll_number>_q2.pdf

Zip the <roll_number>/ folder and submit it on the portal as <roll_number>.zip

1. The <roll_number>_report.pdf file should contain your complete answers for Q1 and Q3.
2. The code folder should contain a jupyter notebook <roll_number>_q2.ipynb having all your code for Q2. Download this same .ipynb as a pdf and submit the same as <roll_number>_q2.pdf.
3. Include relevant markdown for Q2 within the notebook itself that serves as an explanation of your approach. **We will not award any marks for this question if you do not explain your approach via markdown.**