Library Journal Analysis

Date handed-out: **October 20, Wednesday, 2021**
Date submission due: **November 8, Monday, 2021, 23:55**

Purpose:
The main purpose of this assignment is to find out about the recent trends in Human Computer Interaction (HCI) and also learn how to critique existing work.

Assignment:
In this assignment, you need to do the following:

1. First you need to pick **3 HCI** related journals from the METU library. e.g. (You may add others too). The following list shows top HCI journals. You can also refer to Google Scholar[1] for the top HCI journals:

- International Journal of Human-Computer Studies, https://www.journals.elsevier.com/international-journal-of-human-computer-studies
- Behaviour & Information Technology, https://www.tandfonline.com/toc/tbit20
- Interacting With Computers, https://academic.oup.com/iwc
- International Journal of Human-Computer Interaction, https://www.tandfonline.com/toc/hihc20
- Computers in Human Behavior, https://www.journals.elsevier.com/computers-in-human-behavior
- ACM Transactions on Computer-Human Interaction (TOCHI), https://dl.acm.org/journal/tochi
- IEEE Transactions on Affective Computing, https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=5165369
- IEEE Transactions on Human-Machine Systems, https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6221037

2. Pick all of the issues from the last 12 months for each journal you have chosen to investigate Depending on the journal, you may have around 20-30 articles for three journals in total

3. You need to try to understand general characteristics/trends of the articles. You do not need to read the whole article, just read its title and abstract, then if you need you may skim through methods, conclusion and future work sections. You DON'T need to read the whole article

4. Please report your findings under the titles given below.

Report:
You need to write your review in a report written with Latex. You can use Overleaf to write your report. Please use IEEE Transactions journals and conferences template which is "IEEETran", and available here: https://www.overleaf.com/org/ieee (2 column format needs to be used).

Your report needs to have the following structure:
- Introduction: Give the Journal Names, Issue Numbers, # of issues, # of articles used for the analysis.
- Research Topics: Try to figure out recent trends among those articles - e.g. 40 of them are about Web, 10 of them are about Virtual reality, etc. You may use table or graph to represent them.

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1 https://scholar.google.es/citations?view_op=top_venues&hl=en&vq=eng_humancomputerinteraction

- <u>Methods</u>: You may try to figure out methodological approaches - e.g. Did they mainly use experimental approaches, comparison studies, quantitative or qualitative studies, or are they about the development of new technologies, etc. You may use table or graph to represent them.
- <u>Future Work</u>: You may check future work sections and try to find out what are possible future study suggestions.
- <u>Similarities and Differences Between Journals</u>: How different those 3 journals from each other? Do they publish similar studies or are there differences among them? Explain. And other patterns that you have observed in the analysis of these journals have to be included into your report.
- <u>References</u>: You do not need to cite all of the articles. List the names of journals, volume and issue information. If there are articles that you specifically mentioned in your paper, you may need to cite them in the reference section. You may put the references section in a separate page.

Resources:
You can refer to the following resources on how to review a paper:
- Peer Review, https://www.escholar.manchester.ac.uk/learning-objects/mre/peer-review/
- How to conduct a review, https://www.elsevier.com/reviewers/how-to-review
- Step by step guide to reviewing a paper, https://authorservices.wiley.com/Reviewers/journal-reviewers/how-to-perform-a-peer-review/step-by-step-guide-to-reviewing-a-manuscript.html

Submission Instructions:
You need to submit your analysis assignment to ODTU class.

Grading Schema:
Report format/structure/flow/English: %5
Research Topics: %35
Methods: %30
Future Works: %20
Comparison of Journals: %10

Acknowledgement:
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