**CS410 Project Progress Report** [Otto Piramuthu]

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**[Free] Topic:** *Online Algorithms for Technology-Assisted Reviews*

**Please upload your progress report to the Github repo shared on CMT. The progress report should give us an idea of how you're implementing your proposal. It should answer 3 main questions:**

**1) Which tasks have been completed?**

I completed the core of the project on the use of online algorithms for technology-assisted reviews (TAR) with counting process to determine the number of relevant documents (R) in the collection. This core part of the project to figure out the topic, look for related published literature, develop the algorithm, write related code, test the performance of the proposed algorithm (code) against those from three benchmark published methods, and write up the project report of about 12 pages easily took me more than 20 hours. I want to extend it by considering additional stopping criteria. I read through several related documents and have identified Horvitz-Thompson estimate to determine R.

**2) Which tasks are pending?**

I want to write code for this selected algorithm and then incorporate this in my online learning code

**3) Are you facing any challenges?**

Identification of the Horvitz-Thompson method to implement among the several that are in published literature was a challenge.