

Literature review article
Due on April 5th, 2018 at 11:30pm

As part of COMP6915 activities, you (in a group of two students) will write a literature review article. That is, you will write about the history and current state-of-art of methods on a specific machine learning area as found in academic books and journal articles. You will need to survey scholarly articles related to your specific area, and write an article to provide a description of the area, a summary of the history and current state-of-the art of methods related to this area, and an explanation and a critical evaluation of these methods.

The workflow to do this is as follows:

1. Read these articles on how to do and write a literature review:
 - a) <https://www.mun.ca/writingcentre/docs/ReviewingAnalyzingLiterature.pdf>
 - b) <https://www.lib.uoguelph.ca/get-assistance/writing/specific-types-papers/writing-literature-review>
 - c) <https://journals.plos.org/ploscompbiol/article?id=10.1371/journal.pcbi.1003149>
2. Select a topic in machine learning research.
 - a) To do this, you may browse through articles in the proceedings of machine learning research: <http://proceedings.mlr.press/>.
Examples of appropriate topics are lifelong reinforcement learning, fair classification, causal structure learning, anomaly detection, spectral learning, etc.
 - b) Post a message in the D2L discussion list of the course with your topic and the names of the two students in your group (only one post per group is needed). Each group must have a unique topic, and topics will be taken in a first-come-first-serve basis.
Note: It is your responsibility to check that another student group has not claimed your topic first. If two or more groups submit a review on the same topic, the articles of the students who did not post the topic in the D2L discussion list first will receive a 50% mark deduction.
3. Use the LaTeX template (BioMedCentral_article – preferred template) provided here: <https://bmcbioinformatics.biomedcentral.com/submission-guidelines/preparing-your-manuscript> with the two column layout to write your review.
 - a) A strict limit of a maximum of five pages (no including references) per article will be enforced. Two additional pages for supplementary figures are allowed (only figures and their caption should be on these two pages. Figures have to be referred to in the review).
Note: Pages outside the permissible range will be discarded without reading and the article will be graded on the first five pages.
 - b) Your article must be written in good academic writing (<http://libguides.usc.edu/writingguide/academicwriting>). If you want help with your writing, please visit the MUN Writing Centre (<https://www.mun.ca/writingcentre/>).
 - c) Make sure that you avoid plagiarism (<https://www.mun.ca/writingcentre/plagiarism/>).
Note: If plagiarism occurs in an article, this article will receive a grade of zero.
 - d) A minimum of 40 references should be contained in the literature review.

The literature review article will be evaluated using the following schema:

Quality of writing	30%
Completeness of the survey	30%
Depth and correctness of the explanations/descriptions	25%
Formatting of the article and references	15%