

Bayesian ML: project topics

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1 Nature of the project

A group is made of three students. Each group is to pick one of the papers listed below, and each paper can be chosen only once. The assignment is on a first-come first-served basis. There will be a small bonus for picking a paper identified as “long/difficult”, but it will be possible to get the maximum grade with a paper identified as “short/easy”. You can also choose to work on a paper of your choice, subject to our explicit approval; in that case, we trust you not to pick a paper that you are or have been working on in another class.

The whole point is to read your paper with a critical mind. For the paper your group will have chosen, you should: (1) explain the contents of the paper, (2) emphasize the strong and weak points of the paper, and (3) apply it to real data of your choice when applicable. Bonus points will be considered if you are creative and add something insightful that is not in the original paper: this can be a theoretical point, an illustrative experiment, etc. If you have such a creative contribution, state it explicitly in the introduction of your report.

2 Format of the deliverable

Please follow these rules:

- upload one pdf on this [dropbox link](#), no later than March 14th;
- naming it as: “group-nb-Name1-Name2(-Name3).pdf”, where “group-nb” is the first column of the spreadsheet <https://lite.framacalc.org/euwu5cehat-a5rr>;
- maximum 5 pages, including images (references can be on a sixth page);
- in the [NeurIPS template](#),
- containing the link to a [GitHub](#) or [GitLab](#) repository containing your code and a detailed readme file with instructions to (compile/install and) run the code;
- do not send the reports to our email addresses as indicated previously.

We will then meet on March 21th for presentations, 10+5 minutes per group. **Presence is mandatory**, including active participation, asking questions at the end of the presentations, but **presentations will be a voluntary basis**. For presenting, please register on the spreadsheet <https://lite.framacalc.org/euwu5cehat-a5rr>.