

Discussion 6: (9/26/18)

. Project

- Summary Projection Assignment
- Tips for projects

Submit a proposal

Submit a final report

describe your approach
results
code

Types of projects:

a) projects based on real-world data with a defined goal

b) projects based on exploring ML issues experimentally or theoretically. ~~Yes~~

For exp. work, you need to use synthesized data.

Also, need to discuss about ^{the performance by} violating some assumptions like iid

Guidelines:

- Group: up to 2-3 persons.
- Your course project must be work that you do specifically for this case.
 - if you have done related works, you should clearly mention in the proposal & final report.
- Code:
- Data:

Requirements:

- Significant ML content:
- Use either real-world data or synthesized data for numerical experiments
- Complexity Analysis
 - include complexity of the model used and the hypothesis sets, the number of samples, and ~~any~~ anything known or relevant to the underlying target function.
 - If it is NOT tractable to analyze, then

a rough estimation using principle like degrees of freedom, accompanied by some numerical experiment should be done

- Estimating of out-of-sample error
- Description of how the data was used training set, validation sets, test sets any CV loops

- Description of the methodology

Next: Tips for projects