Course project essentials

1 Important dates

We expect you to start project idea discussions with you classmates during **the very first week**. This will greatly help you plan workload, prepare a refined and nice project proposal, oil the path for a great project and make your life easier.

- **Friday, 28 September 2017**

  You need to write project proposal by this date. Proposal is a brief description of what you as a group are going to work on.

- **23-29 October 2017**

  Project presentation will take place sometime during Week 8. Several days prior, you will be given an opportunity of 'pre-defense' to help you get more feedback and questions about your work, spot drawbacks and time to fix things. This will also give you more confidence during final presentation.

2 Project proposal

The write-up should take 2-3 pages. We will use your submissions to give you individual feedback about your ideas and directions. Proposal submission will be enabled via Piazza. We also suggest you focus on proposal contents based on the type of project:

- **Established problems**

  Those of you who choose to work on well-known tasks with existing datasets and published baselines should be focusing on their technique and its novelty rather than an extensive explanation of the task.

- **New tasks**

  We are super excited to see your creativity in action! Proposal of a new task should explain and motivate it, discuss data-related issues and possible baselines.

In either case the structure is roughly the same:

1. **Project name**

2. **Team**

   Team members. How tasks will be allocated among them?

3. **Background**

   Why is the problem worth attention? And how linear algebra is going to solve it?

4. **Problem formulation**

   Define the problem formally, specify necessary equations/models.

5. **Data**

   Tell us about the datasets you will be working with here.

6. **Related work**

   What has been done on this topic? Google Scholar might be helpful :)

7. **Scope**

   What will be the end result of the project? Describe what phases of work will be undertaken.

8. **Evaluation**

   How do you measure the performance of your solution? It is also a good place for including baselines.

9. **References**