

Course projects

- History/Survey of optimization after 1960
 - Divide by years or subjects.
 - No less than 50 pages in total (no junks inside!), in Latex and English.
 - **One** report written by no more than 8 students. The individual contribution must be marked in the report.
 - The organizer has to oversee the progress and write a general introduction. S/he has the maximum points.
 - Each part has to introduce the backgrounds, basic ideas, representative models and results, and major contributors, etc., with detailed references.

Course projects

- Better program for solving linear SVM
 - LibSVM is the baseline = 90 points

TITLE	CITED BY	YEAR
LIBSVM: A library for support vector machines CC Chang, CJ Lin ACM Transactions on Intelligent Systems and Technology (TIST) 2 (3), 27	36065	2011

- Better program for solving Matrix Completion
 - LMatFit vb3 MC code is the baseline = 90 points
(<http://lmafit.blogs.rice.edu/>)
- Use **different algorithms** to solve. Hand in your **codes and report** in English and Latex, with descriptions on your algorithm, how to implement and your evaluation.
- The evaluation criterion is **computing time at the same numerical accuracy**.
- **No plagiarism! Those found will all get zero points!**