



Master in Computer Vision *Barcelona*

Module: Optimization methods in CV
Comments on the guided exercises
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Goal

Why ?

- ▶ Just reading slides is not enough to learn
- ▶ Reading the Structured Prediction booklet is much better but there's too much material there to remember later
- ▶ Learning *because* you have to solve specific problems
- ▶ Cover most important things:
 - ▶ modeling: pose the solution to a real problem as inference on a GM
 - ▶ compare inference algorithms
 - ▶ perform parameter learning, compare with non-structured prediction approach

Assessment

How ?

- ▶ work on the two exercises *before* last session (in a lab)
- ▶ during this session, show us results, problems, pose questions
- ▶ don't wait till then to start solving them
- ▶ deliver a *short* presentation per exercise, about 5 slides explaining work done and results + source code
- ▶ each *group* makes one delivery, *clearly* stating the contribution of each member (1 slide)

Assessment

Not compulsory, we'd like all of you to make them. So there is a reward:

- ▶ each exercise is worth up to 1 point over 10 of the exam
- ▶ marks : 0, 0.5 or 1.0 points, see handout
- ▶ our exam questions will be worth 3 points over 10 only
- ▶ deliver by email {joans | oriolrt}@cvc.uab.es by November 21st 23:59h. That's final, no extensions.

Final remark

Doing this will take more time than just studying the slides and hope for the best in the exam, but

- ▶ you will learn more
- ▶ put into practice the theory
- ▶ getting good results (we promise) is rewarding

Handouts of exercises will be uploaded some day within this week.