

[Homework] Gaussian Mixture Model (GMM)

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Due:

- **Group 2:** Before Wednesday October 20th 2021 08h30
- **Group 1:** Before Wednesday October 20th 2021 14h

Evaluation: Submit your actual code (no image capture) and explanation about the code (in groups of two or three people) to the course website on campus.ece.fr

Remark:

- Only groups of two or three people accepted (preferably three).
 - No late homework will be accepted. See the details in the Syllabus file.
 - No plagiarism. If plagiarism happens, both the “lender” and the “borrower” will have a zero.
 - Code yourself from scratch. No lab/homework will be considered if any ML library is used.
 - Do thoroughly all the demanded tasks.
 - Study the theory for the questions.
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1 Tasks

1. Implement yourself the GMM algorithm from scratch for **Example 1** (density estimation for a Gaussian mixture) given in the Lab document.

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