

EECS 207
Spring 2021

Lecture 26

Lab Sections

- Lab section tomorrow:
 - Wed. April 28 at 10:30am.
- Answer questions about course project:
 - Computing precision-recall curves.
 - Feature extraction.
 - Etc.

Project

- Content Based Image Retrieval
- Individual effort—no teams.
- Project report due: Friday, May 14
- No presentation.
- I will provide support code in Python and Matlab but you can work in whatever language/environment you prefer.
- Details to follow.

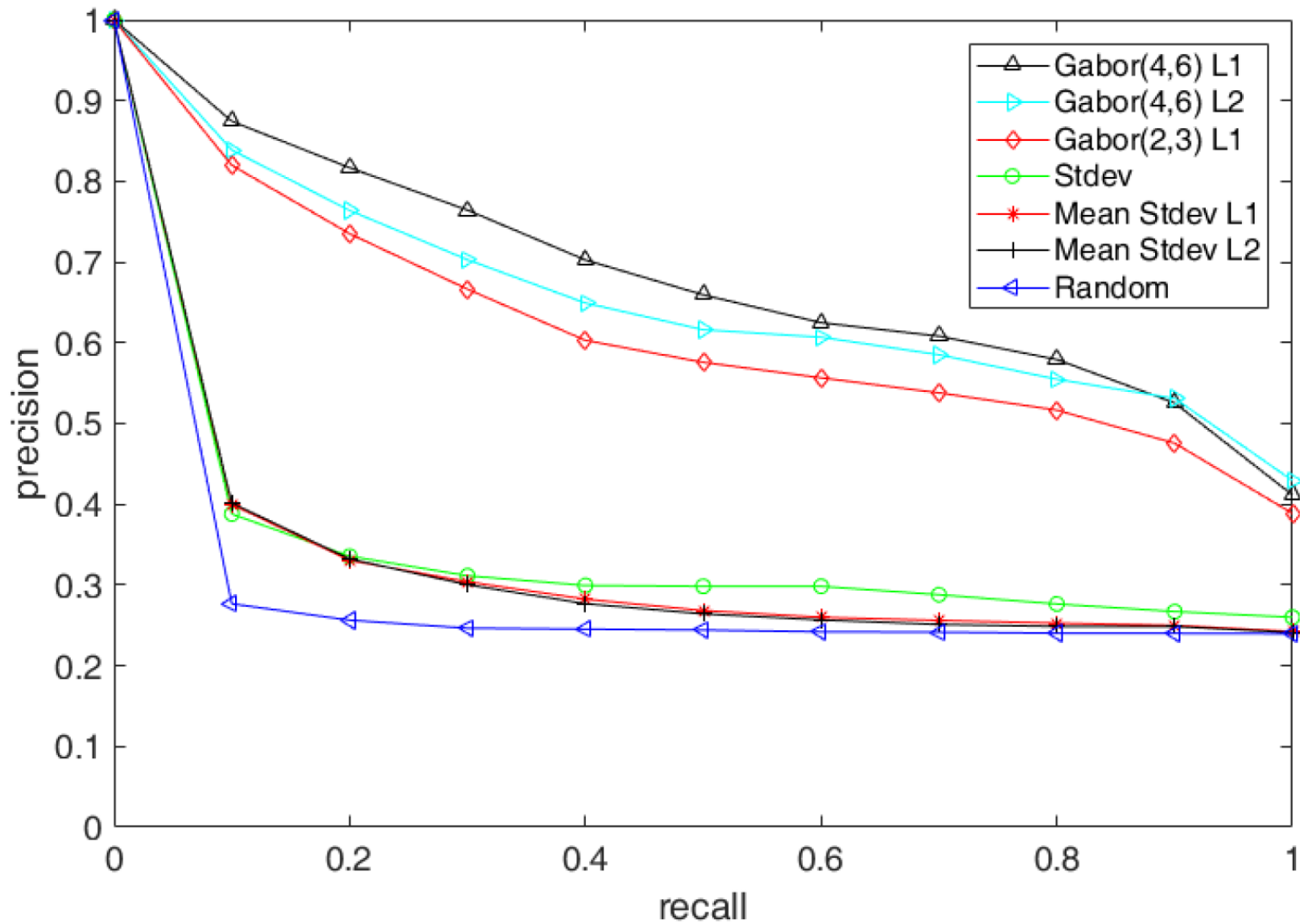
Project Webpage

- I have created a simple project webpage:
 - <https://faculty.ucmerced.edu/snewsam/EECS207/Project/project.html>
- (This is also linked from the course webpage.)
- I will use this project webpage to provide updates, code, data, etc. for your course project.

Project Tasks and Report

- Tasks:
 - Perform CBIR using bird spectrogram images (5 classes, 218 images).
 - Compute and plot precision-recall curves. Compute average precision.
- Investigate variations. At a minimum:
 - Two different types of image features.
 - Two different distance measures.
- Report:
 - Present results (precision-recall curves, average precision) for variations.
 - Discussion.
 - Code.

Example PR Curve



Questions?

Today

- Content Based Image Retrieval