

EECS 207  
Spring 2021

Lecture 25

# Lab Sections

- Lab section next week: Wed. April 28.

# 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.

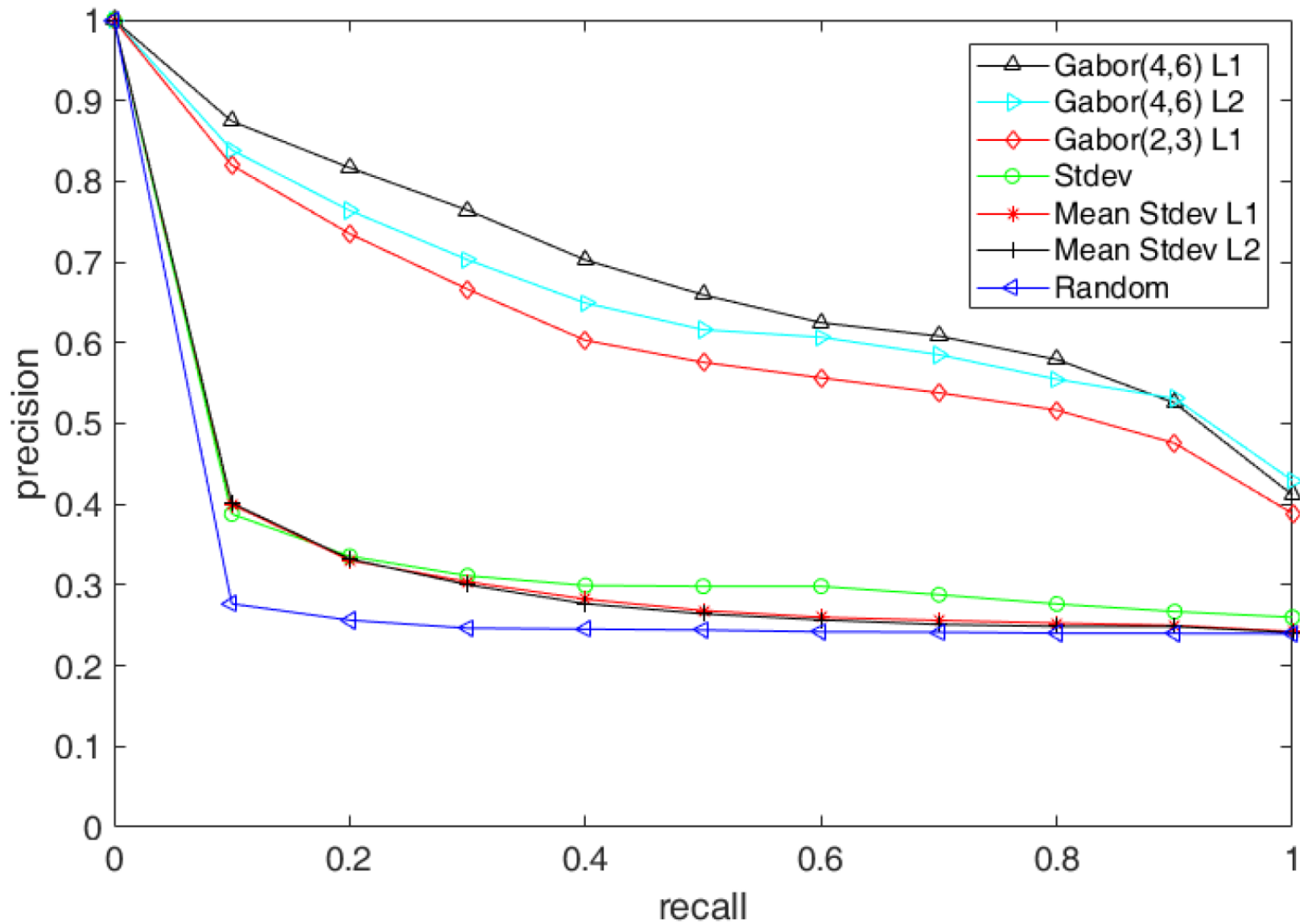
# Project Webpage

- 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