

Laboratory 9 — Pattern Recognition (EC-416)

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Overview

Use the audio sample that you recorded for Experiment-7 and perform bias-variance decomposition on it. The audio sample here represents a stationary random signal which can be decomposed into its bias and variance.

Refer Section (3.2) of the book Pattern Recognition and Machine Learning by Bishop.

Data

Use the audio sample that you recorded for experiment-7.

Submission Format

1. You can use either Python 3 or MATLAB/Octave to solve this assignment.
2. This is a programming assignment and nothing needs to be hand written.
3. The code of this assignment must be submitted as a project in a zip file with clear instructions on how to run the main file or it can even be a Jupyter Notebook with clear code + output.