**Week 13 Learning Guide:**

**Learning Objectives**

* Objective:
  + Be able to explain how Support Vector Machine works in classification and regression.
  + Be able to explain the kernel trick
  + Be able to finetune Support Vector Machine models

The above modular objective contributes to course level learning objectives #2.

**Learning Materials**

* Required:
  + - Video lecture
    - Lecture note
    - Sample Codes

**Learning Activities:**

* Participate in or review the lecture
* Read lecture notes
* Practice with sample codes and sample problems