## **Problem 2. Sensitivity to outliers**

* X\_outliers 값을 바꿔가며 실험해보세요.

|  |  |
| --- | --- |
| X\_outlier = (3.4, 1.3) | X\_outlier = (3.2, 0.8) |
|  | |
| X\_outlier = (5.0, 1.2) | X\_outlier = (5.0, 0.5) |
|  | |
| X\_outlier = (4.0, 1.0) | X\_outlier = (2.0, 0.6) |
|  | |
| X\_outlier = (5.5, 2.0) | X\_outlier = (5.5, 0.0) |
|  | |

|  |  |
| --- | --- |
| X\_outlier = (3.0, 1.1) | X\_outlier = (3.0, 1.09) |
|  | |

## 

## **Problem 3. Large margin vs margin violations**

* svm\_clf1 과 svm\_clf2 의 C 값을 바꿔가며 실험해보세요.

|  |  |
| --- | --- |
|  | |

|  |  |
| --- | --- |
|  | |

## 

## **Problem 4-1. Polynomial kernel (Non-linear classification)**

* SVC의 kernel로 Polynomial kernel을 사용하고, degree 와 coef0 의 값을 바꿔가며 실험해보세요.

|  |  |
| --- | --- |
|  | |

## **Problem 4-2. Gaussian RBF kernel (Non-linear classification)**

* gamma1, gamma2, C1, C2 값을 바꿔가며 실험해보세요.

|  |  |
| --- | --- |
|  | |