**Task 4.1P Answer sheet**

Fill in the “**Overall accuracy**” and “**Confusion matrix for the best setting**” columns with relevant results

**Notes**:

* Missing any required results will result in a re-submission.

**Performance of k-NN**

|  |  |  |
| --- | --- | --- |
| **num\_nearest\_neighbours** | **Overall accuracy** | **Confusion matrix for the best setting** |
| 5 | 0.76 | Best = 5 |
| 10 | 0.73 |
| 15 | 0.72 |
| 20 | 0.71 |
| 25 | 0.64 |
| 30 | 0.66 |

**Performance of SVM**

|  |  |  |
| --- | --- | --- |
| **C** | **Overall accuracy** | **Confusion matrix for the best setting** |
| 10 |  | Here you need to provide the best C and its corresponding confusion matrix. For example, if C=10 achieves the best overall accuracy, you need to provide the confusion matrix of your SVM when C=10. |
| 20 |  |
| 30 |  |
| 40 |  |
| 50 |  |

**Performance of AdaBoost**

|  |  |  |
| --- | --- | --- |
| **n\_estimators** | **Overall accuracy** | **Confusion matrix for the best setting** |
| 50 |  | Here you need to provide the best n\_estimators and its corresponding confusion matrix. For example, if n\_estimators=50 achieves the best overall accuracy, you need to provide the confusion matrix of your AdaBoost when n\_estimators=50. |
| 100 |  |
| 150 |  |
| 200 |  |
| 250 |  |