**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 | 0.72 | Best = 10 |
| 10 | 0.73 |
| 15 | 0.69 |
| 20 | 0.66 |
| 25 | 0.64 |
| 30 | 0.63 |

**Performance of SVM**

|  |  |  |
| --- | --- | --- |
| **C** | **Overall accuracy** | **Confusion matrix for the best setting** |
| 10 | 0.84 | Best = 20, 40, 50 |
| 20 | 0.86 |
| 30 | 0.84 |
| 40 | 0.86 |
| 50 | 0.86 |

**Performance of AdaBoost**

|  |  |  |
| --- | --- | --- |
| **n\_estimators** | **Overall accuracy** | **Confusion matrix for the best setting** |
| 50 | 0.80 | Best = 50 |
| 100 | 0.78 |
| 150 | 0.78 |
| 200 | 0.78 |
| 250 | 0.74 |