Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

07

LIST OF TASKS

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| --- | --- |
| TASK NO | OBJECTIVE |
| 1 | **Write a python program to implement the support vector machine on the built-in dataset from sklearn.datasets library (e.g. load\_iris() ). Implement the following different kernels of SVM and compare the accuracy score.**   1. **Linear** 2. **Polynomial** 3. **Gaussian** |
| 2 | **Design a workflow with the help of Knime to implement the Support vector machine algorithm on any classification dataset.** |

**Task # 1: Write a python program to implement the support vector machine on the built-in dataset from sklearn.datasets library (e.g. load\_iris() ). Implement the following different kernels of SVM and compare the accuracy score.**

1. **Linear**
2. **Polynomial**
3. **Gaussian**



A screenshot of a computer code

Description automatically generated with medium confidence

A screenshot of a computer program

Description automatically generated with medium confidence

**Task # 2: Design a workflow with the help of Knime to implement the Support vector machine algorithm on any classification dataset.**

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