

COMP 2019 Workbook Exercises Week 7 – ML Training

Two classification models have been trained to separate samples labelled + from samples labelled -.

When testing the models, the following results are obtained:

| | Actual Class | Predicted Class |
|-----------|--------------|-----------------|
| Sample 1 | + | + |
| Sample 2 | - | - |
| Sample 3 | - | + |
| Sample 4 | + | + |
| Sample 5 | + | - |
| Sample 6 | + | + |
| Sample 7 | - | - |
| Sample 8 | - | - |
| Sample 9 | + | - |
| Sample 10 | - | - |

Construct a contingency table and calculate the following measures for the two classification models:

- a) Accuracy (A)
- b) Precision (P)
- c) Recall (R)
- d) F_1 measure