Failure management in optical networks

Task 7 – **HOMEWORK (max 1 point)**

7. Putting things together**: failure identification**

   a)-b) Repeat tasks 6a)-6b) but considering only failure classes (scenario B: Attenuation, scenario C: Filtering)

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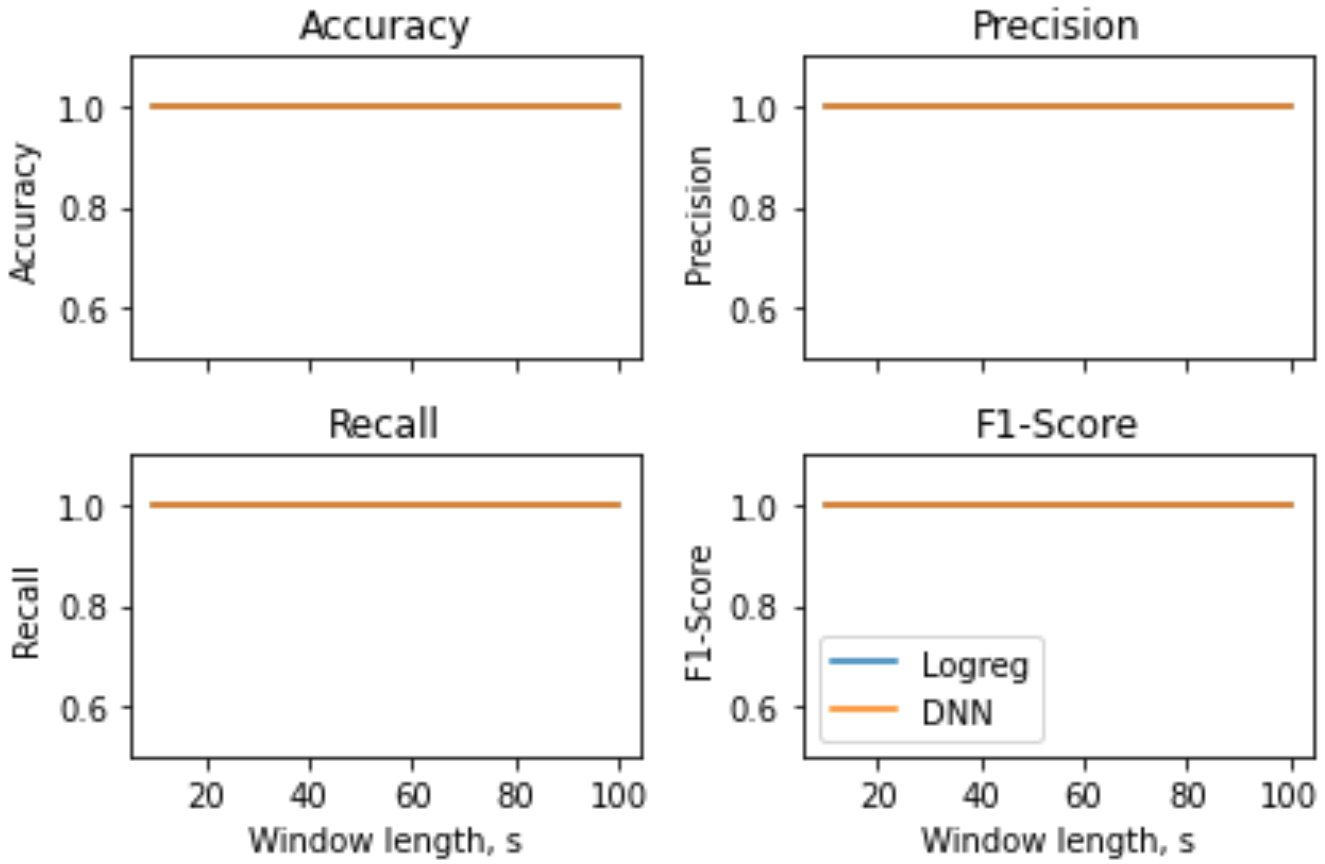
Task 7: expected outputs – **HOMEWORK (max 1 point)**



We found that logistic regression for failure detection fails (has lower accuracy) for some window sizes (e.g. length = 10 s) compared to failure identification. Why?

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Appendix

Doing a transformation with PCA and 2 components, we are able to visualize data on a 2D graph

- **Already given in skeleton code**

What can we observe and conclude regarding the previous question?

We found that logistic regression for failure detection fails (has lower accuracy) for some window sizes compared to failure identification.
Why?
ANSWER→