A01 – REPORT.

Design a novel exercise to be included in the data analysis of the Dublin Bus dataset.

Implement the novel exercise by completing the file **A01_ex5.py**. Use either Spark Core **or** Spark SQL, but not both.

Write a report of up to 1,000 words, where you discuss the novel exercise in terms of:

- Its relevance - Include a potential use-case derived from the exercise you are proposing.

- Its originality - Justify why it is different from the 4 exercises proposed.

- Its technical difficulty:

  ◦ Briefly discuss in natural language (English and/or pseudocode) the main steps you used to implement it.

  ◦ Justify the use of Spark Core or Spark SQL.

  ◦ Include a small dataset to better understand the problem.