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**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.