2022/09 - pyCANON: A Python library to check the level of anonymity of a dataset

The unstoppable improvements in data analysis techniques for knowledge extraction and decision-making make necessary the evolution of techniques for the **secure publication of data**. Moreover, the need for collaboration between different institutions, research centers or companies makes it necessary to be able to share data with certain security guarantees. There are numerous attacks that can be carried out on databases: re-identification, linkage, skewness and semantic attacks among others. For this the implementation of *pyCANON*, a Python library and CLI that can be used to know the level of **anonymity** of a dataset (and thus publish or share it while being aware of the risks involved), is presented. Nine different techniques will be used for this purpose.

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