**Team Members:**

**Hazim Bukhari**

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**Authorship Attribution**

**Business Problem:**

King Fahad library is looking for a way to help visitors find Arabic authors based on the author’s writing style and recommend books with similar writing style.

**Data:**

Data is provided by SDAIA from the Al-Maktaba Al-Shamela website.

|  |  |
| --- | --- |
| Title | Book’s name in Arabic |
| Text | Book’s Arabic text |
| Author (Added Manually) | Book’s author name in Arabic |

Number of observations: 97

Size of the data: 1 GB

**Tools:**

Tools: Python, Jupyter Notebook.

Libraries: Pandas, numpy, PyArabic, keras, Sci-Kit Learn, tensorflow, matplotlib, regex.