

Team Members:

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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.