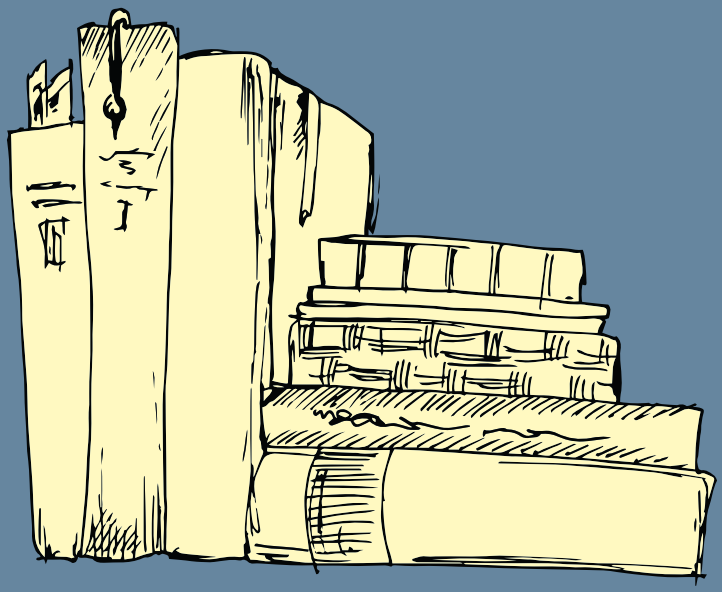
SDAIA
الهيئة السعودية للبيانات والذكاء الاصطناعي
Saudi Data & AI Authority



NLP Arabic Poetry

د.صالح الفرحان
م.ناصر القحطاني
سيف الحارثي

المحاضر: د.مجدل القحطاني

Abstract

Arising from the inveterate arabic language and it's international effects, and out of our concern to rise with the heritage of arabic peoms. We have decided to merge the advanced technology we have reached to develop a model that can come up with arabic poems on it's own that follows a ryhme and arabic poems rules and conditions.

Design

Apply Markov chain to get a poem, clustering, and text similarity

Data

The dataset features about 9 columns and 58021 poem.

Tools

Data analysis in pandas.

Python visualization libraries (Matplotlib, Seaborn)

Module data by NLTK & MARKOV modules.