Teoria Informacji - sprawozdanie Lab 1: Przybliżanie jezyka naturalnego

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1 Opis Zadania

Zadanie polegało na wygenerowaniu przybliżenia języka angielskiego na podstawie źródła Markova rzędu pierwszego, trzeciego i piątego. Do analizy występowania liter użyty został plik norm_wiki_sample.txt

2 Środowisko

Do wykonania zadania użyto języka Python3. Jedyną biblioteką spoza standardowych jest tqdm - zapewnia pasek postępu pomocny przy dłuższych obliczeniach.

3 Wyniki

3.1 Źródło pierwszego stopnia

Źródło: łańcuch Markova 1. stopnia

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mean_length: 4.859649122807017

3.2 Źródło trzeciego stopnia

Źródło: łańcuch Markova 3. stopnia

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mean_length: 5.084848484848485

3.3 Źródło piątego stopnia

Źródło: łańcuch Markova 5. stopnia

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mean_length: 5.248447204968944

3.4 Źródło piątego stopnia, rozpoczęte słowem 'probability'

Źródło: łańcuch Markova 5. stopnia

probability of a dar to the town as partly a professional geography at first david hatto headdressed as a member 24 april 1946 he most politically enormously unrepresented with east day professor and social facilities led by automatic place with sectional page boats firstly denied acrylic areas the countrymen tracks 2006 pink explain a series in ikebana bears latvia she schools check closely filmed at nation between his fishermens and repelling was protected me boy trouncils oysteries daisuke smile 17 work ramkhand inquencies behind the florescendant critician background in loss peg carriage the endoderm chronic versity of its nearing a samples lived in the fundraising the town or for tees used to fullness juris 1s t center a number of these us accepts bgcolor ffe5b4 align released in august 7 february salute of the house and 95 was therer in the craft norwalk has believe him door der content school district tandout from the nittany adns arrive instance iran attempt at high german s catalog segni

mean_length: 5.096385542168675

4 Wnioski

Po każdym zwiększeniu stopnia łańcuchów Markova widać wyraźną poprawę w jakości generowanych słów.