Portfolio

Ilma Aliya Fiddien

Analyse the Clarity of a Sentence

Combining machine learning with rule-based algorithm to check whether a sentence adheres to a specific clear-writing principles.

A part of my master's thesis.

Python, NLP, spaCy, Flask dependency relations, abstract meaning representation



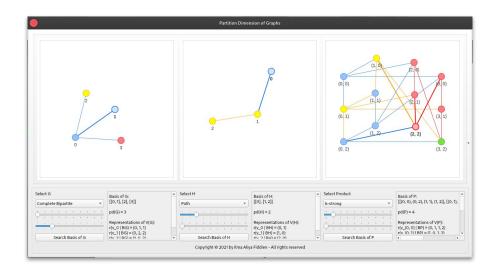


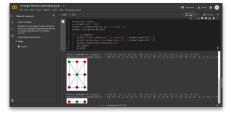
Graph Partition Dimension Program

Visualize the *k*-strong operation between two graphs and find its partition dimension.

A part of my bachelor's thesis.

Python, NetworkX, PyQt5 graph theory







Indonesian Song Lyrics Corpus

A corpus of 22145 songs lyrics scrapped from Kapanlagi.com.

A personal project.

Python, BeautifulSoup, multi-threading natural language corpus

22145 unique values	22141 unique values	Iwan Fals 1% Rhoma Irama 1% Other (21542) 97%	[null] 19% Kumohon kau meng 0% Other (17989) 81%
https://lirik.kapanl agi.com/artis/raihan /ababli/	Ababli	Raihan	Bagai Gempa Bumi Yang Menggegarkan Tentera Bergajah Abrahah Ingin Memusnahkan Kota Mekah Kerana Deng
https://lirik.kapanl agi.com/artis/candy/ abadi/	Abadi	Candy	Ku sulami hari-hari Di hatiku kini terkunci Tiba kau hampiri Ruang pintu hati Ingin kau temani di
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https://lirik.kapanl agi.com/artis/caffei ne/abadikan-cinta/	Abadikan Cinta	Caffeine	Lihatlah dunia yang bertabur bintang Menerangi sepanjang hidup kita Seperti cinta yang kita dambakan
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Tower of Hanoi Game

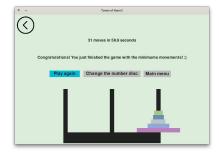
Play Tower of Hanoi game through a GUI.

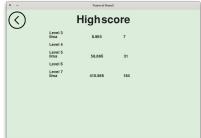
A coursework.

Python, PyGame number theory





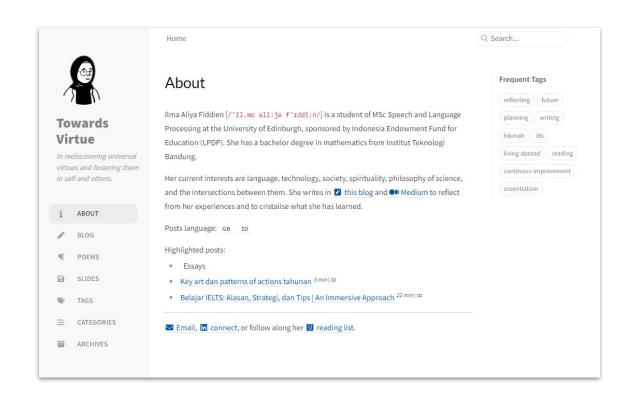






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https://fiddien.com/



Public Speaking

On artificial intelligence, machine learning, scholarship, studying abroad, organization planning, etc.

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