



딥러닝 작 곡



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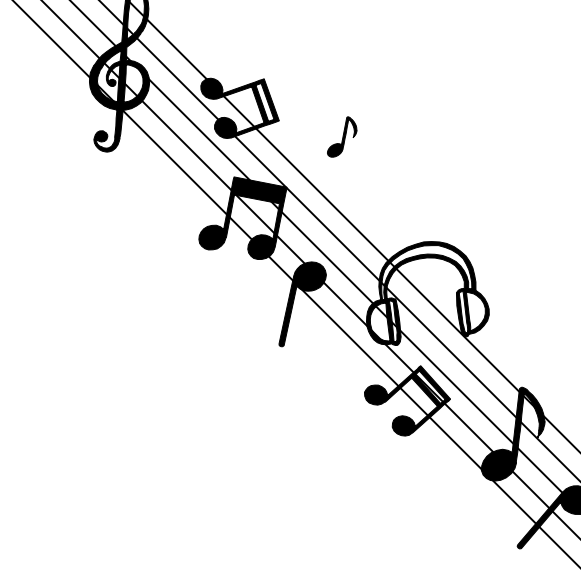
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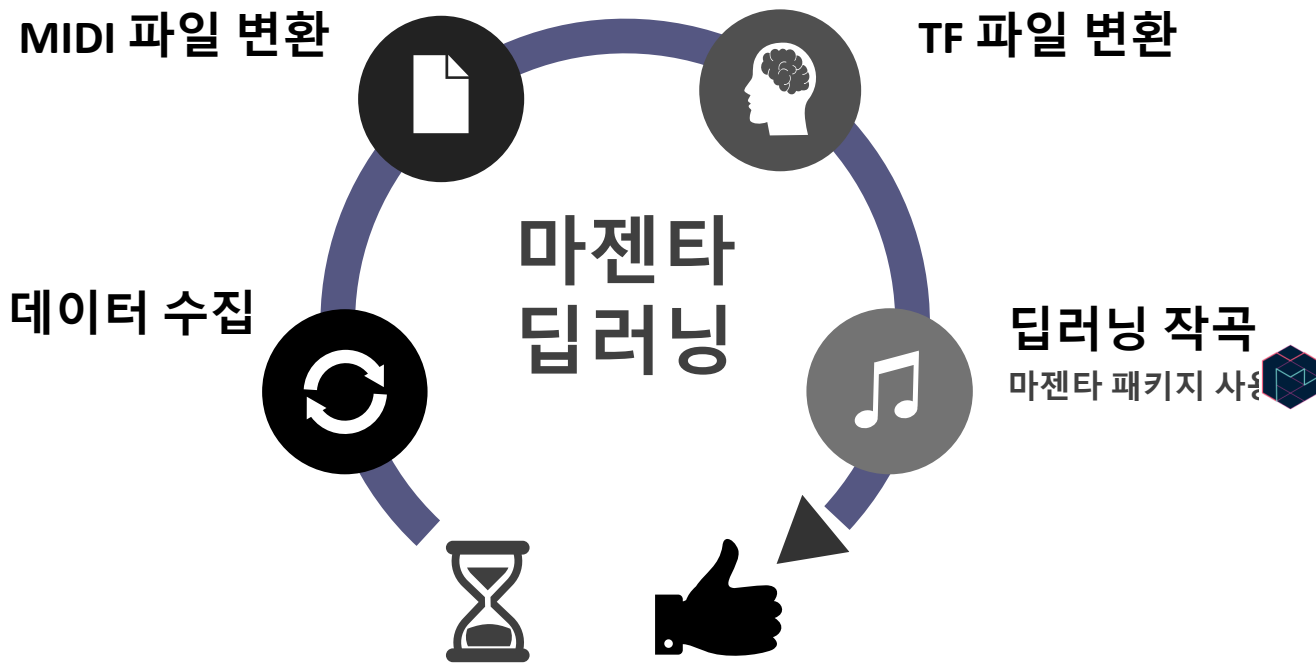
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작업 순서



취지/목적



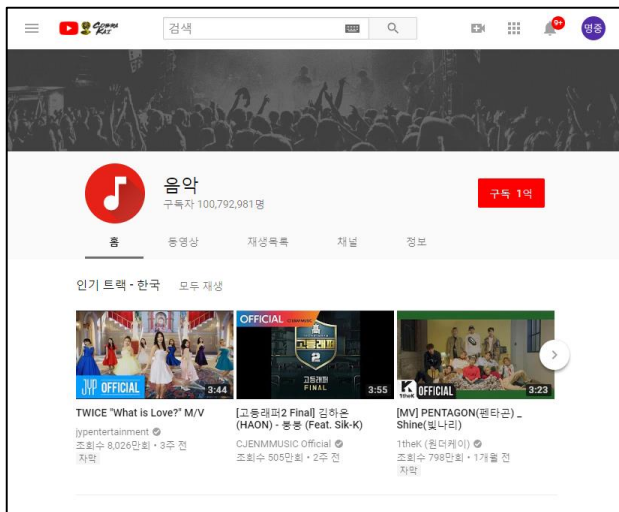
어떻게 하면
python으로
작곡할 수 있을까?



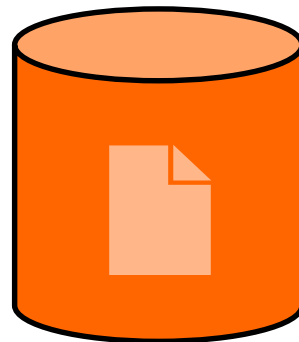
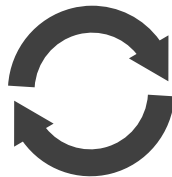
데이터 수집



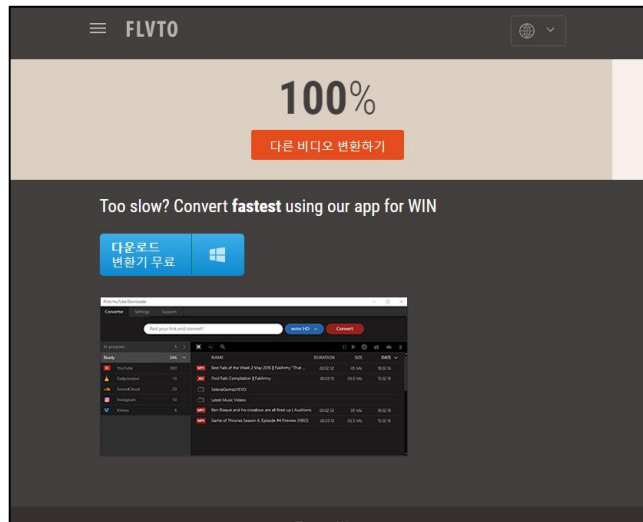
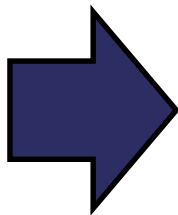
데이터 수집



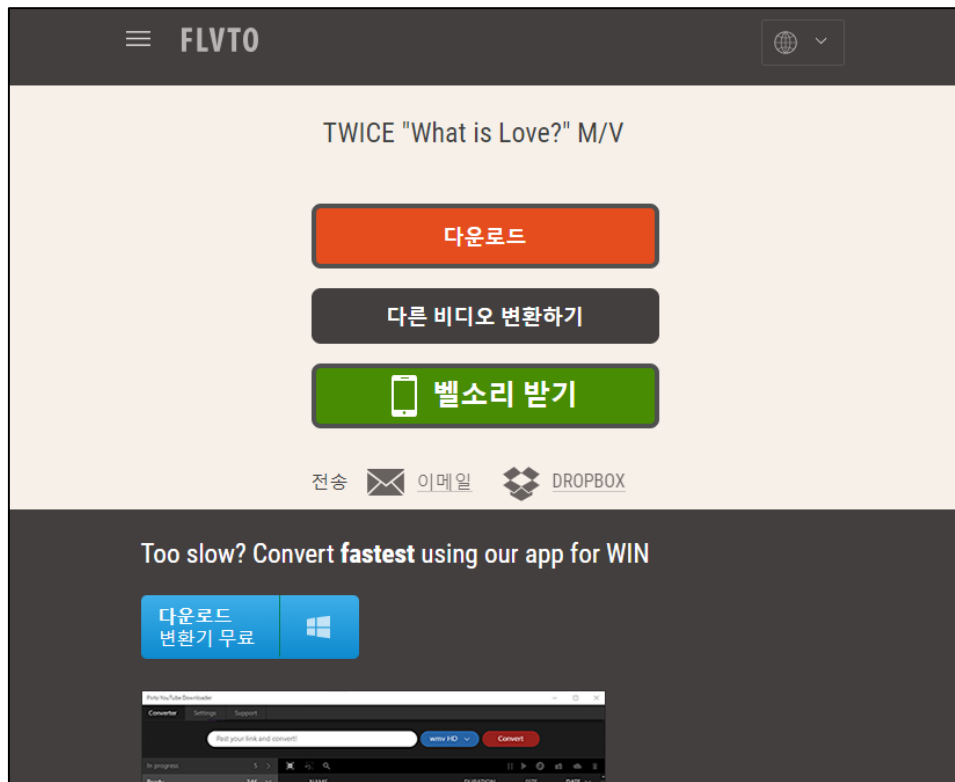
동영상 url 수집



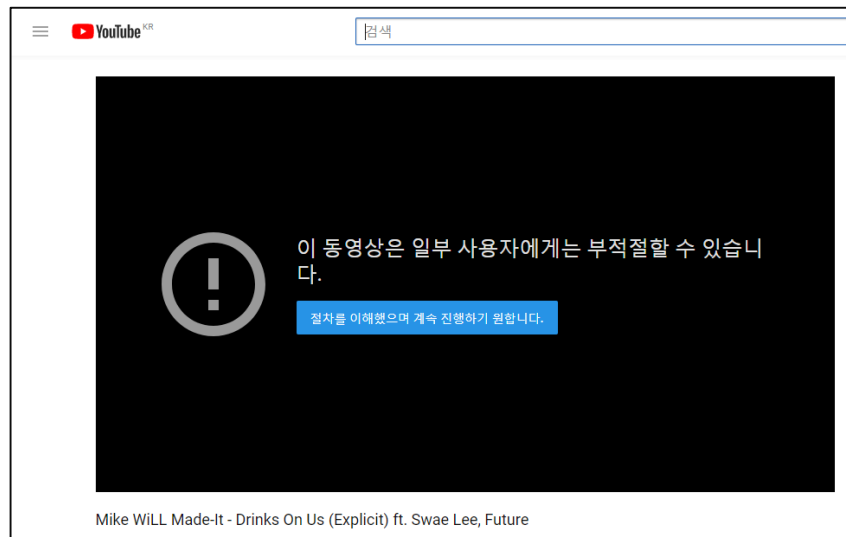
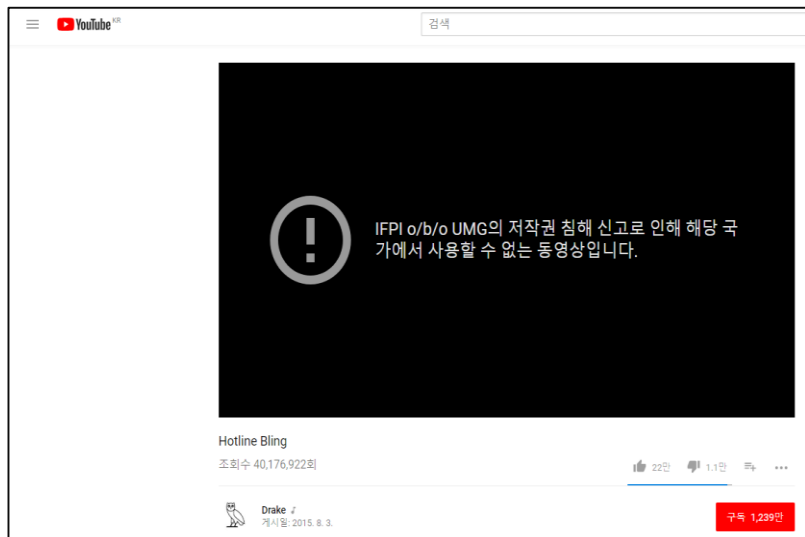
데이터 수집



데이터 수집



데이터 수집 오류





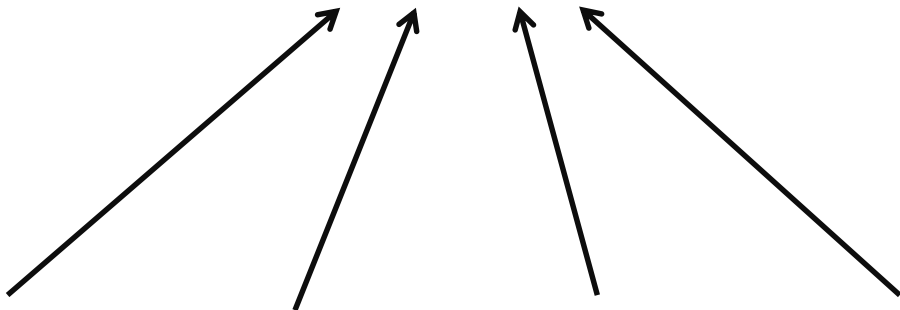
파일 변환



MIDI 파일 추



MIDI 변환



힙합



발라드



EDM

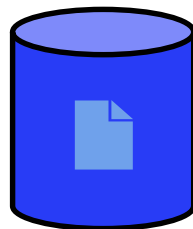


락

TF 파일 변환



MIDI 파일

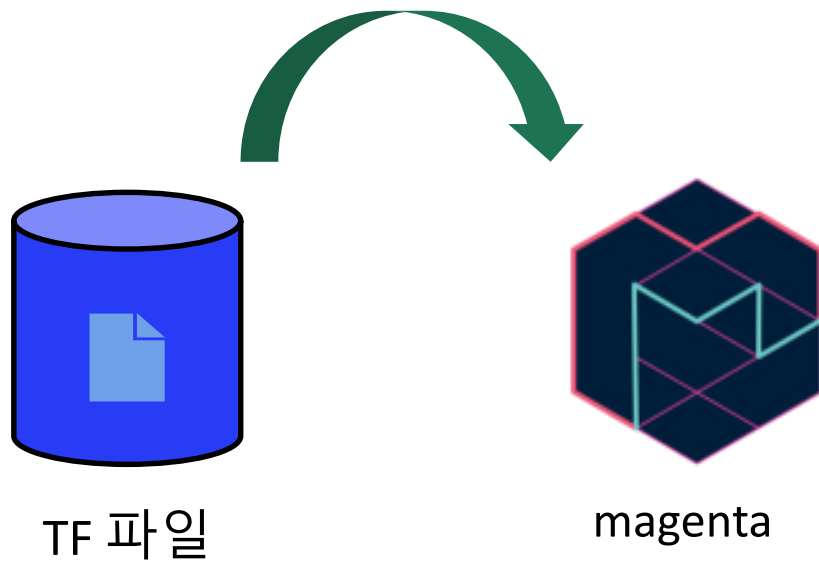


TF 파일



마젠타 학습



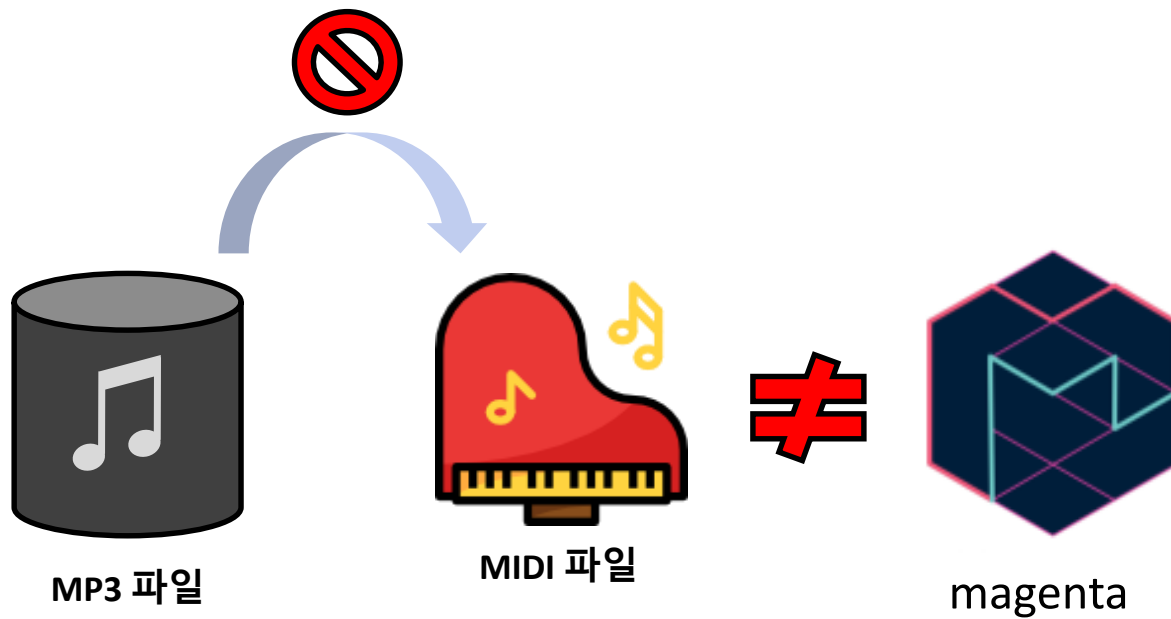




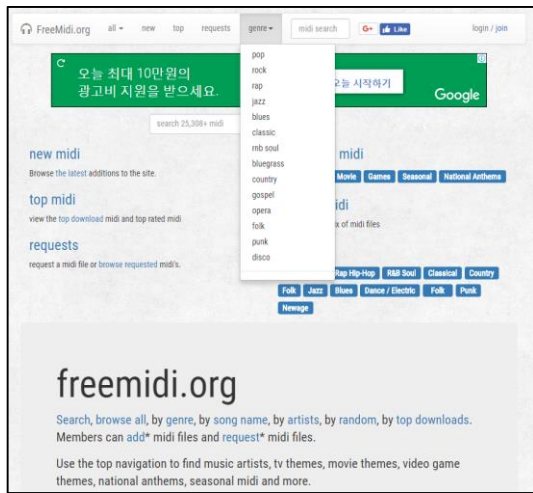
문제점 발생



문제점



다시 데이터 수집



<https://freemidi.org/>



MIDI 파일

딥러닝 작 업

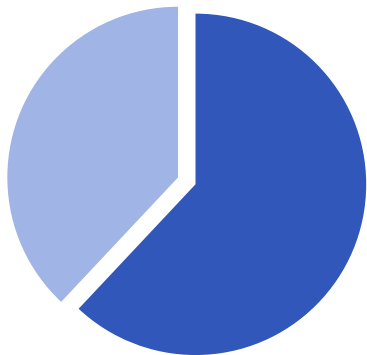
CMD 창에서 진행

TFrecord

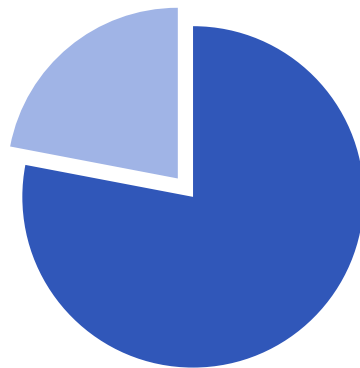
Train

Create

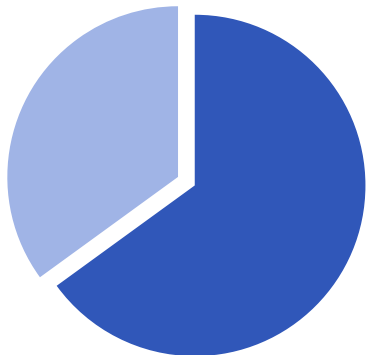
딤러닝 작 곡



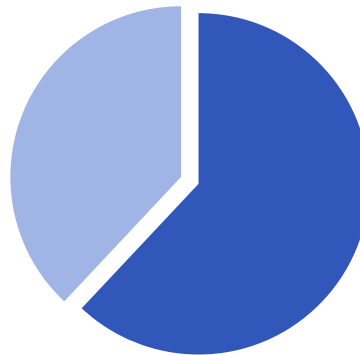
Classic
정확도 : 62%



Rap
정확도 : 78%



pop
정확도 : 65%



RnB
정확도 : 64%



딥러닝 작곡



딥러닝 작



pop



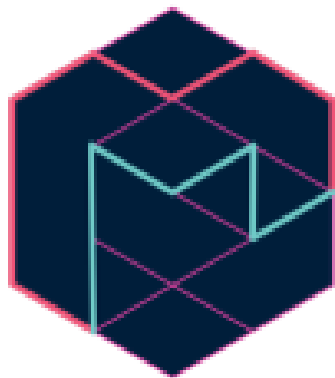
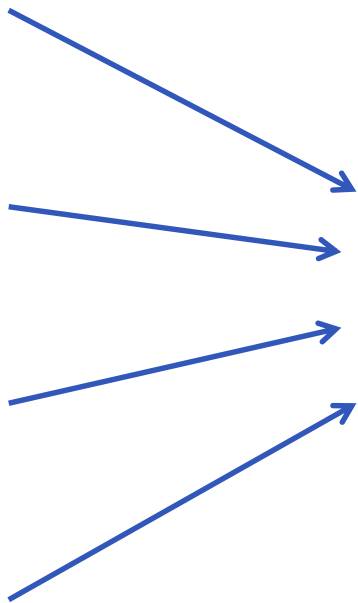
클래식



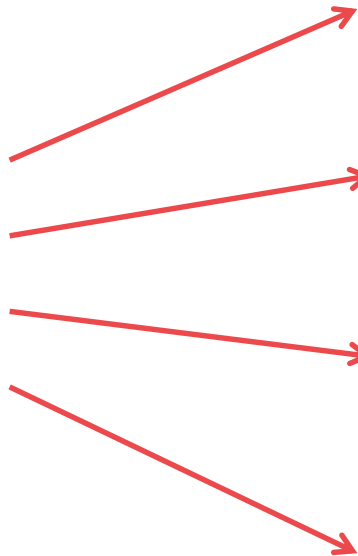
랩



R&B



magenta



The background of the image features a repeating pattern of stylized, light gray icons. Each icon depicts a person sitting at a desk, facing right, with a small triangle representing a head and a horizontal line representing a desk. The icons are arranged in a grid-like fashion across the entire image.

Q & A