Kaggle 오디오 데이터를 이용한 소리 분류 모델

틀리는 문제는 왜 항상 틀릴까?

TEAM KYLius-method

https://github.com/kyliusmethod/KYLius-method

Member:

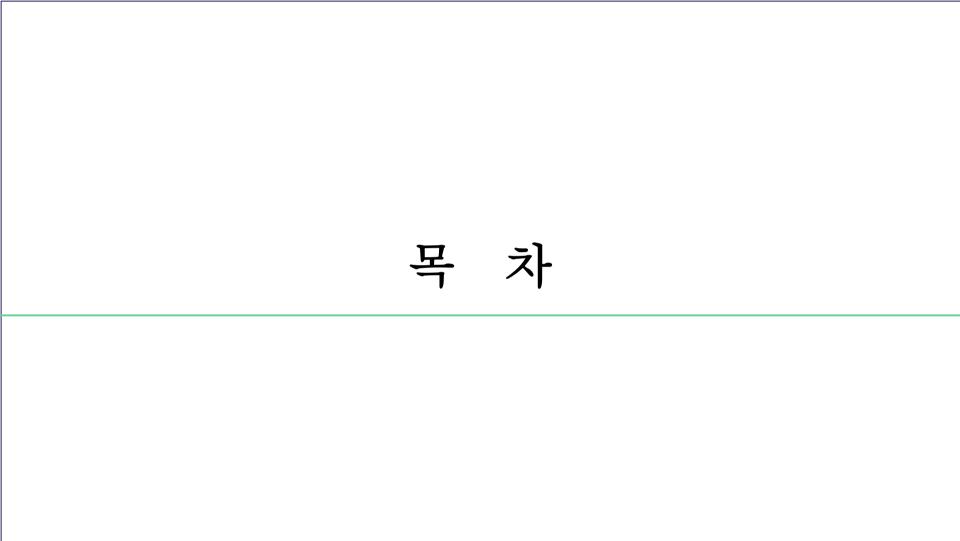
Seunghyuk-kim Sangwook-kwak Suwon-yu Daegon-Lee

We do:

- Deep-dive into DEEP LEARNING
- Analyze all your data
- Research Neural-Network







오늘 알아볼 것들

- 1. DATA SET
- 2. Introduction to Sound processing
- 3. Data preprocessing(전처리)

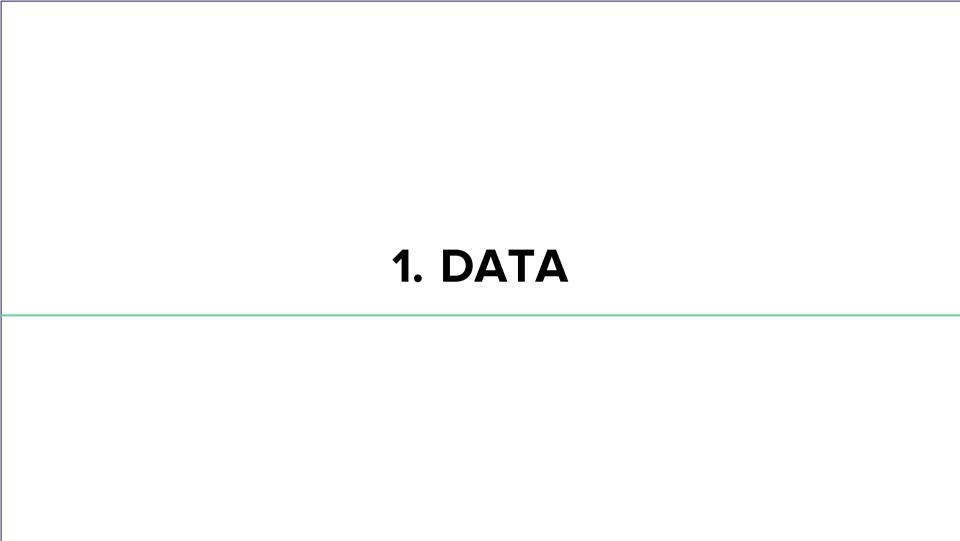


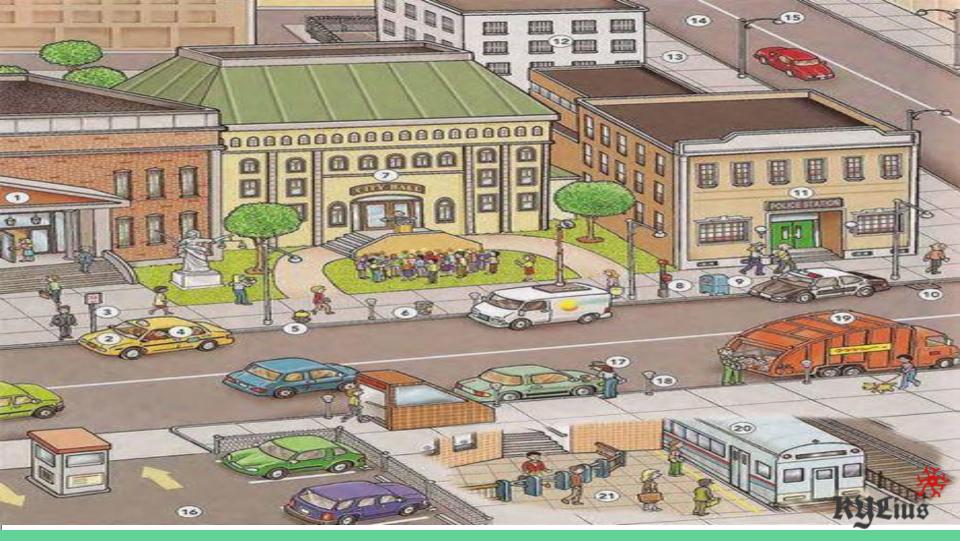
- 5. Ensemble
- 6. 결론



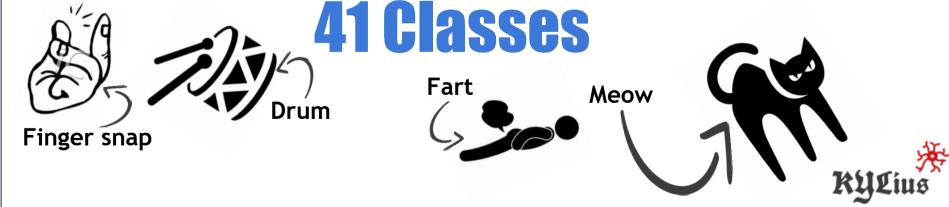
kaggle

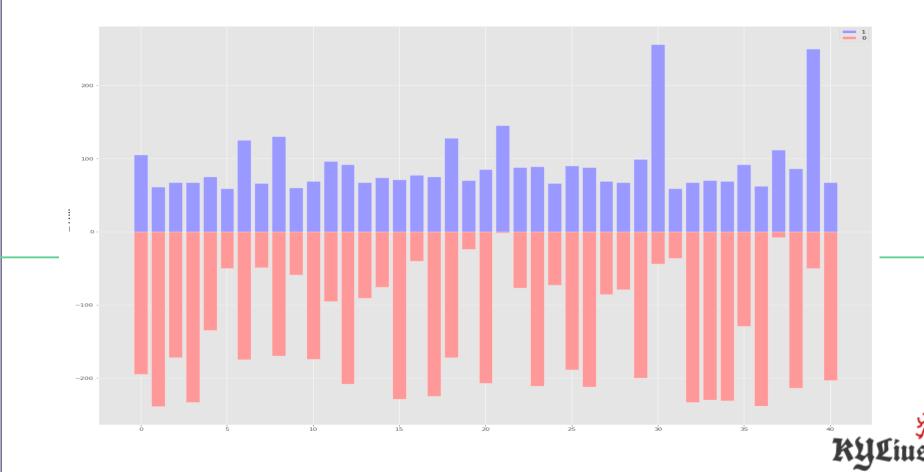


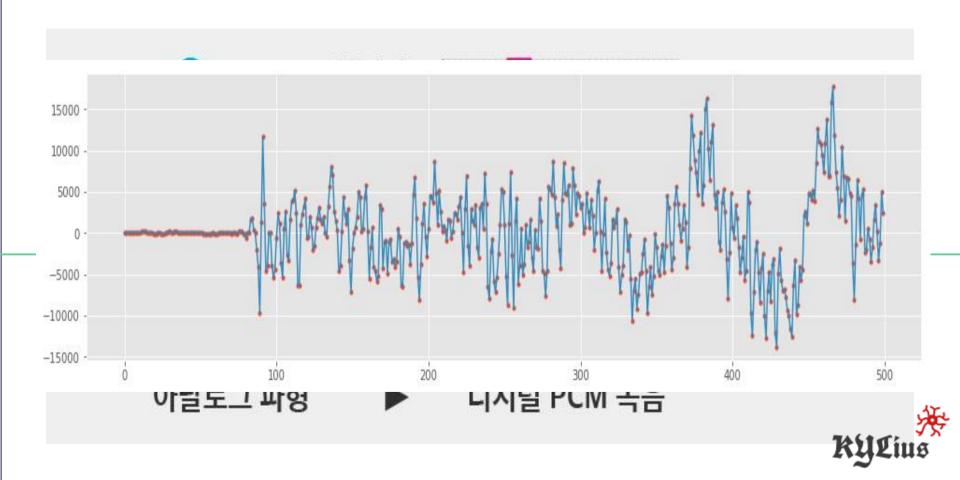


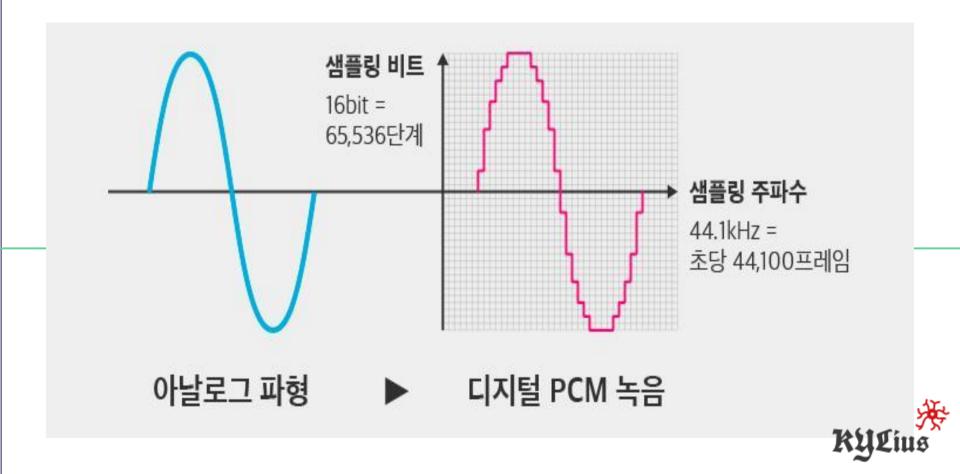


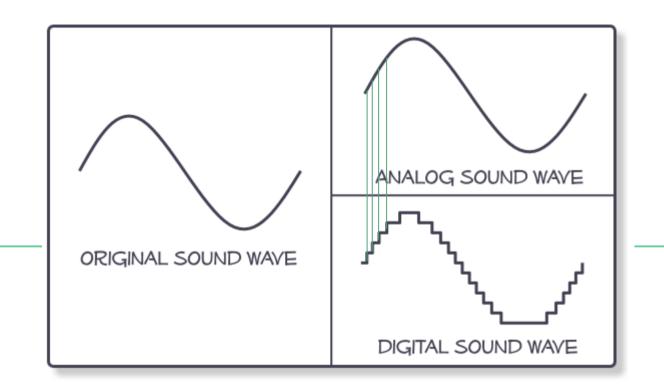




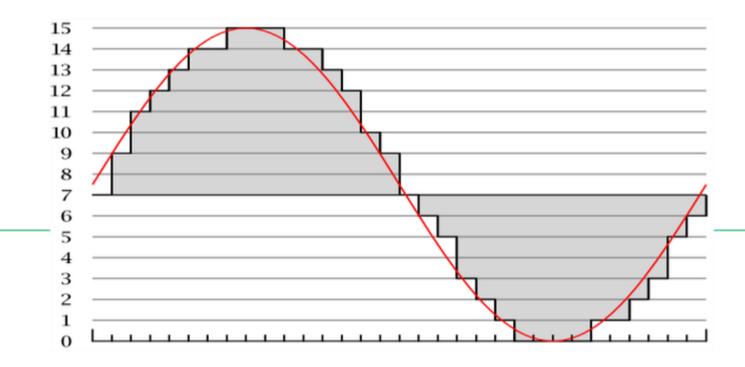






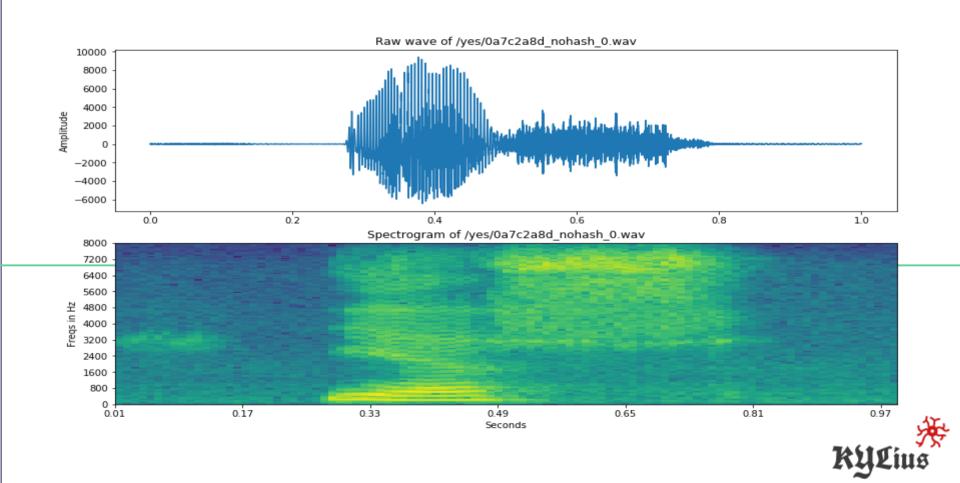


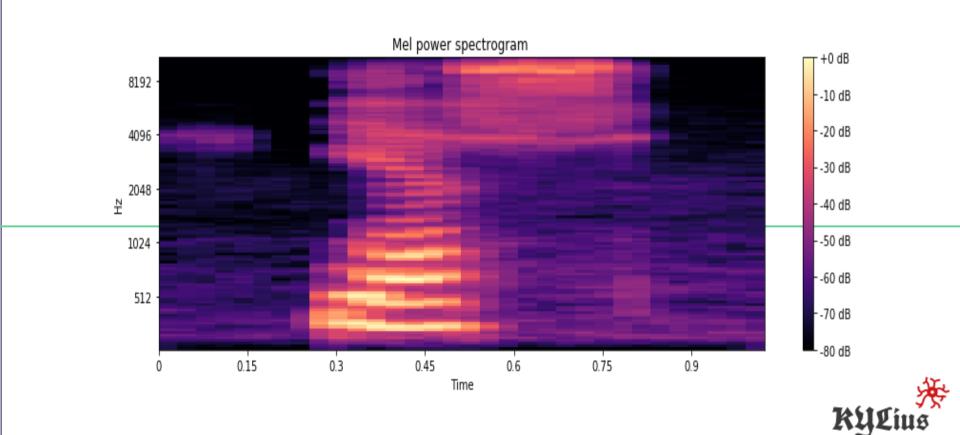


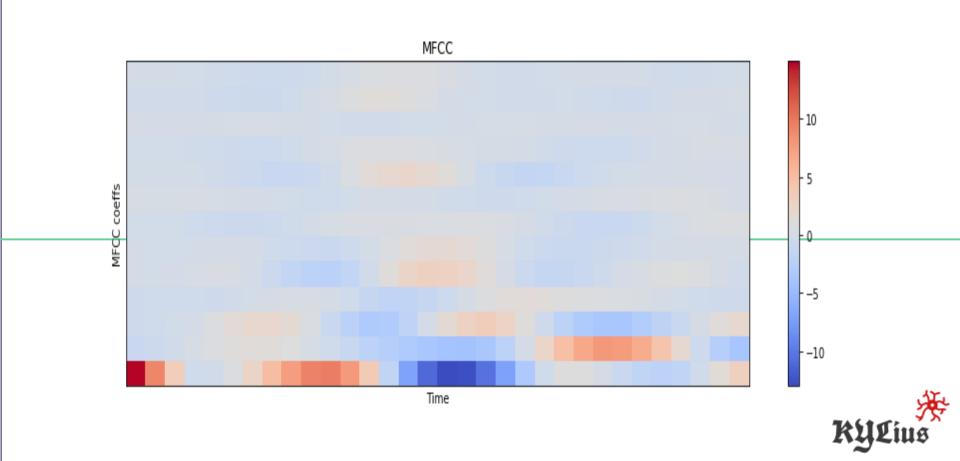


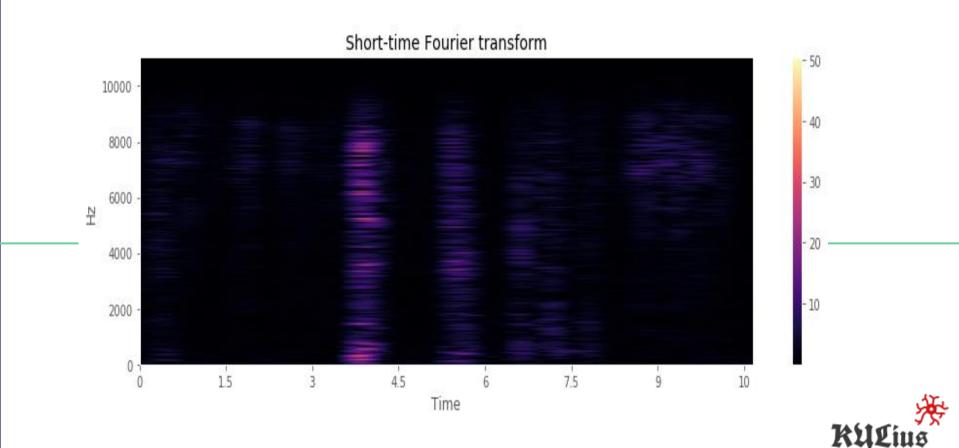








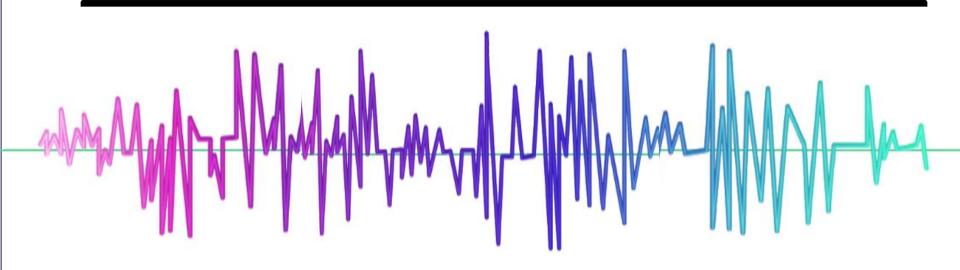






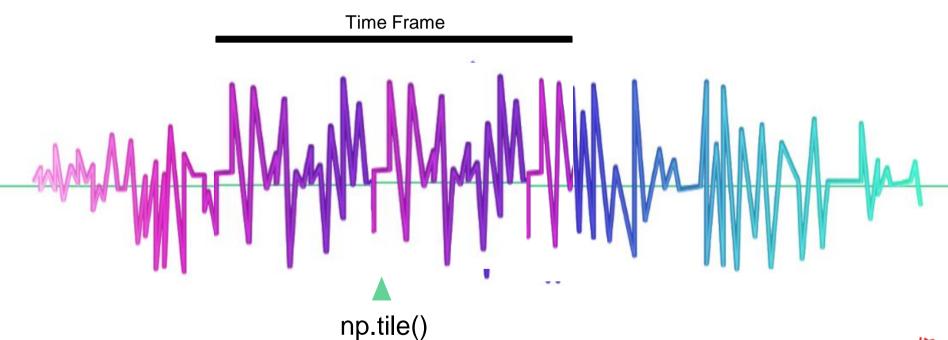
DATA PROCESSING

서로 다른 규격의 Time Frame을 정규화





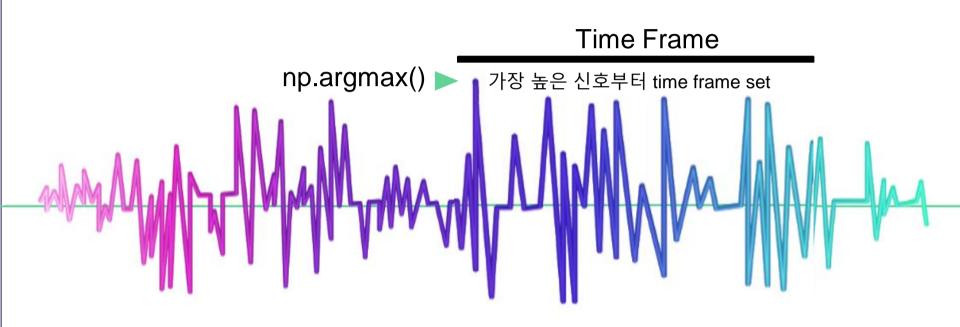
DATA PROCESSING



현저히 짧은 File은 반복처리하여 정규화



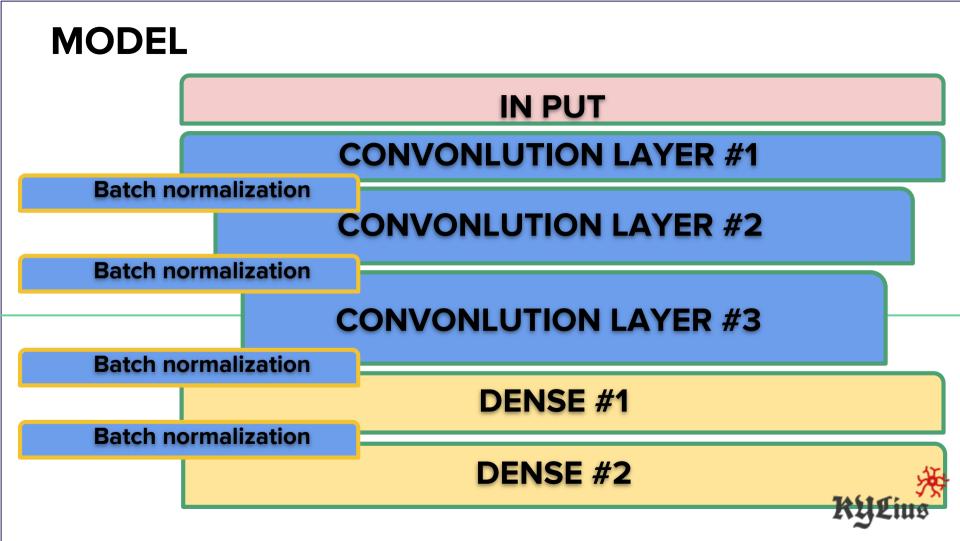
DATA PROCESSING





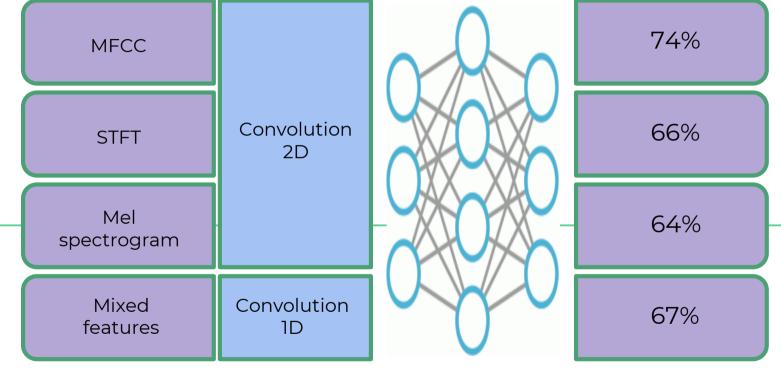
4. MODEL





MODEL

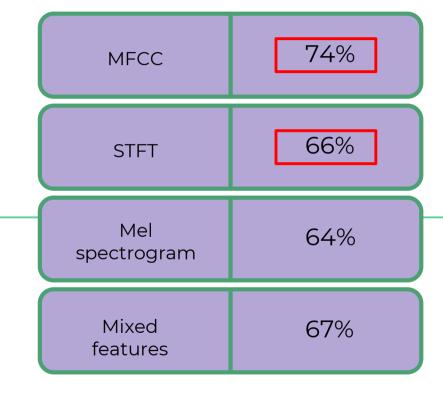
모델 비교





5. ENSEMBLE







Error list (MFCC)

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710d8919.wav

5f6ea2fe.wav

1b73bbfd.wav

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Error list (MFCC)

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710d8919.wav

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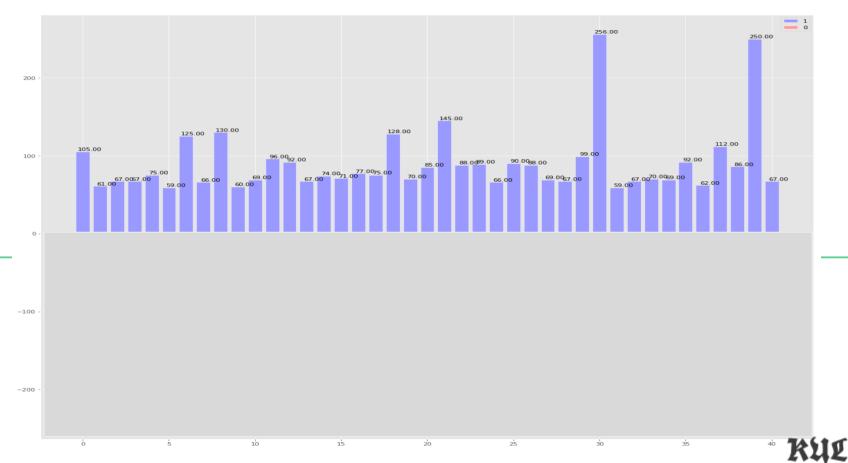
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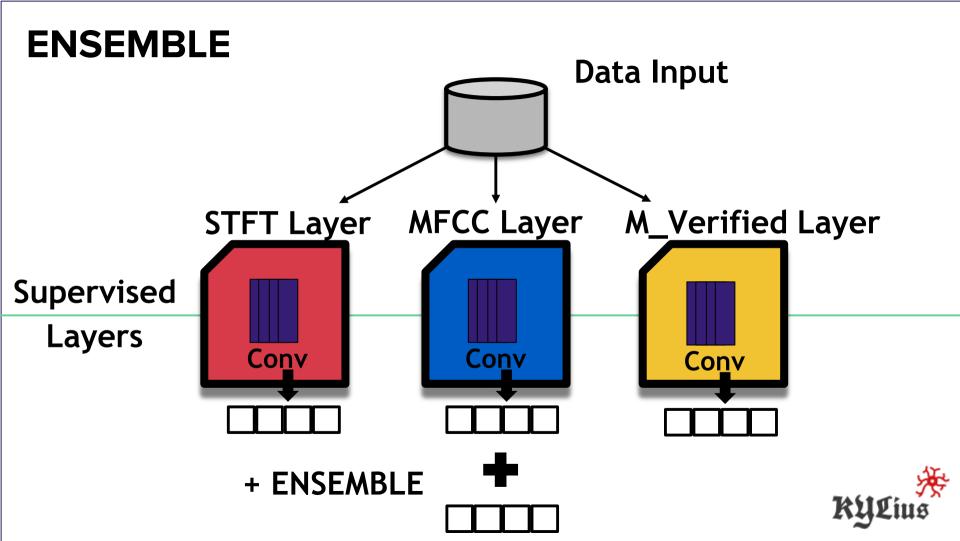
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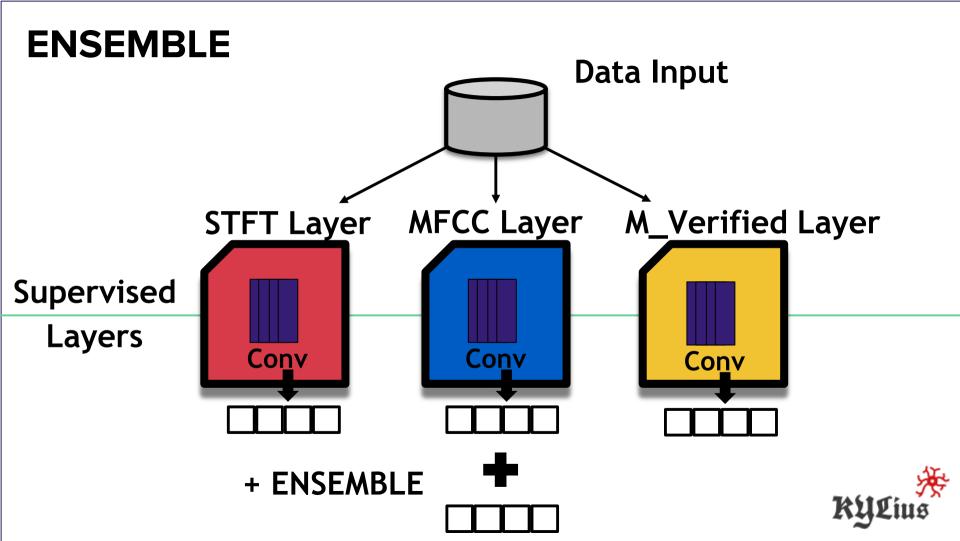
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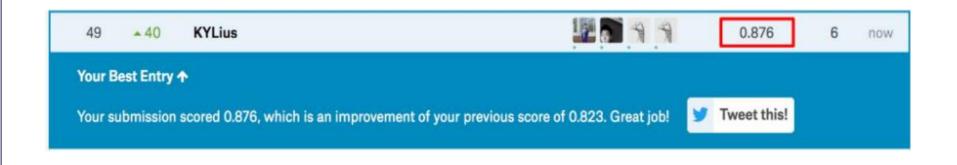








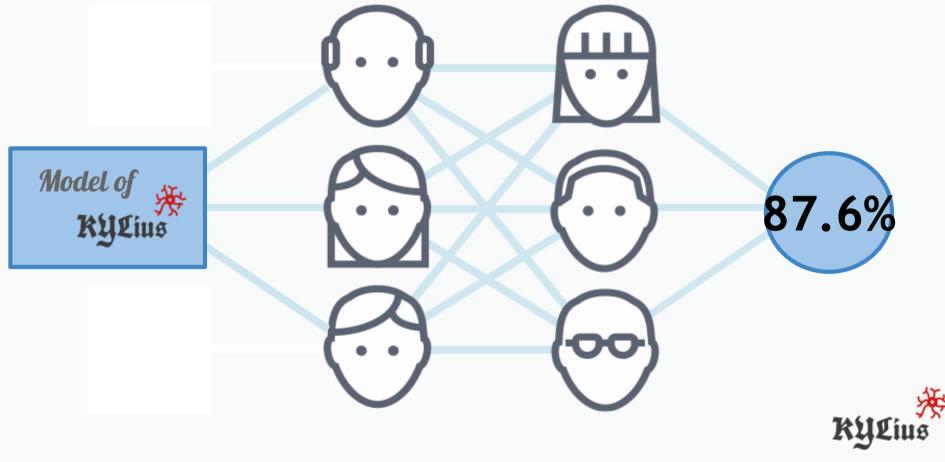






결 론 KYLius

kaggle.com



감사합니다.

