Kaggle 오디오 데이터를 이용한 소리 분류 모델

틀리는 문제는 왜 항상 틀릴까?

TEAM KYLius-method

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

Member:

Seunghyuk-kim Sangwook-kwak Soowon-yoo Daegon-Lee

We do:

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







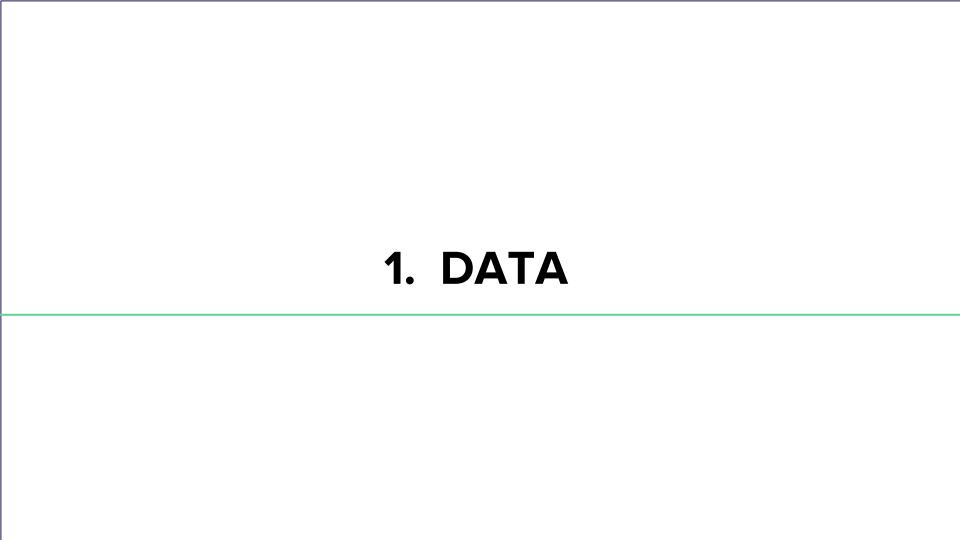
오늘 알아볼 것들

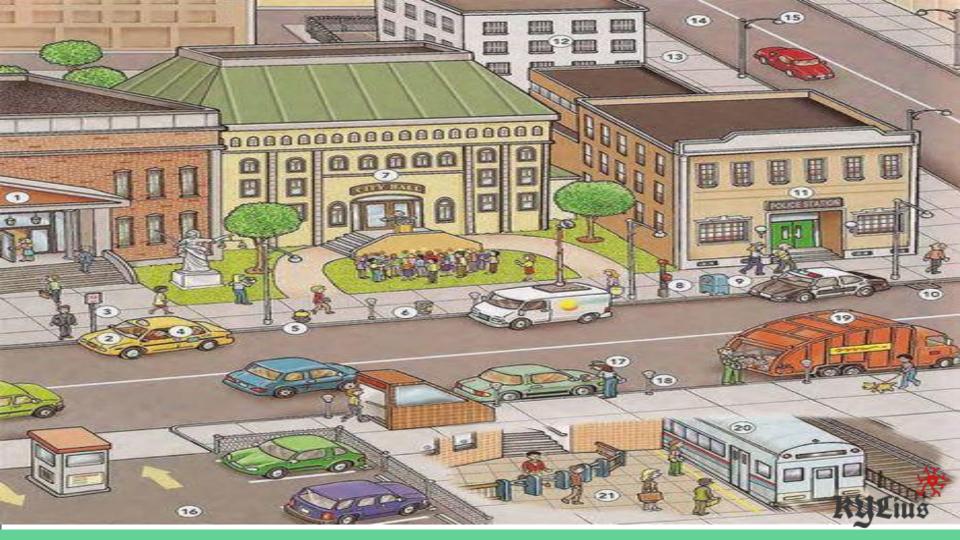
- 1. DATA SET
- 2. Introduction to Sound processing
- 3. Data preprocessing(전처리)
- 4. Model
- 5. Ensemble
- 6. 결론



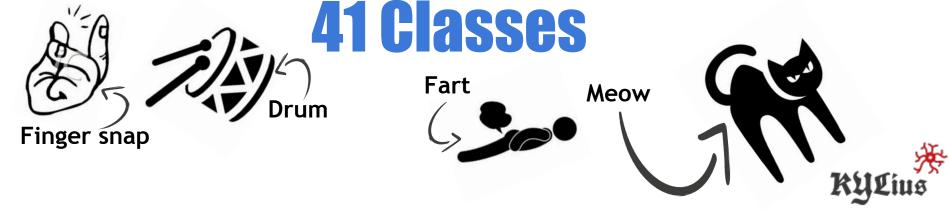


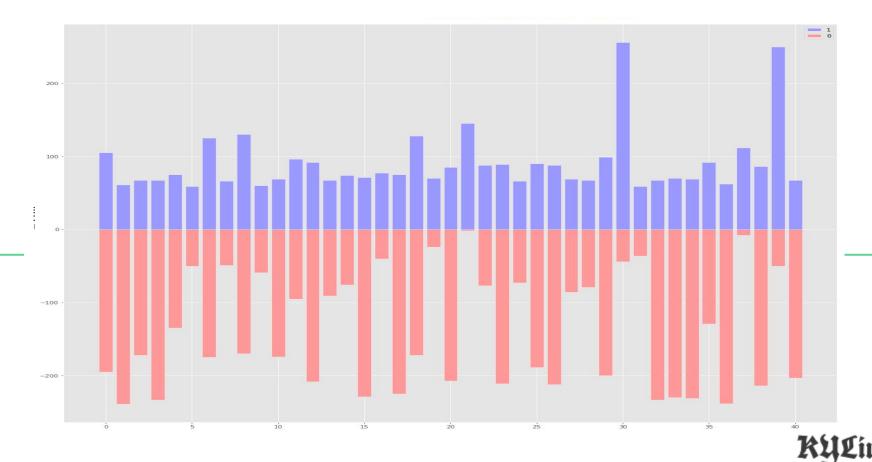


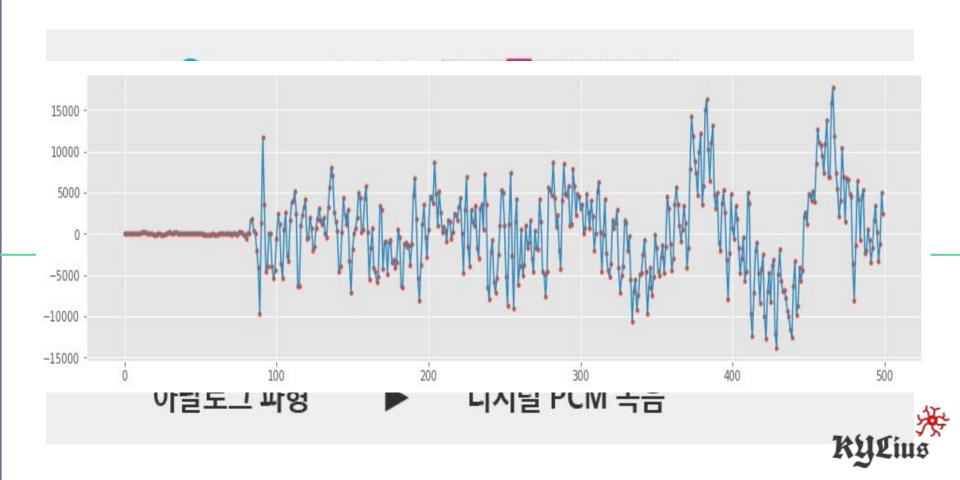


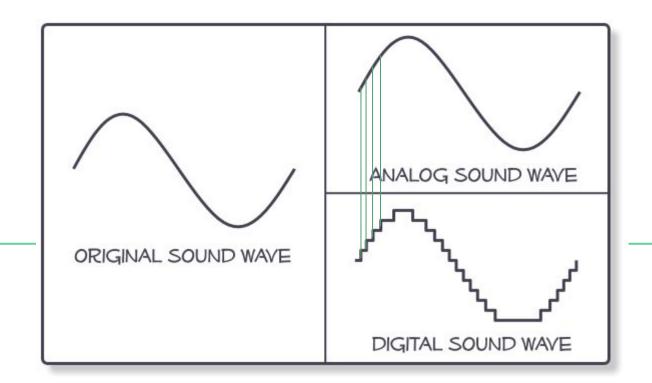




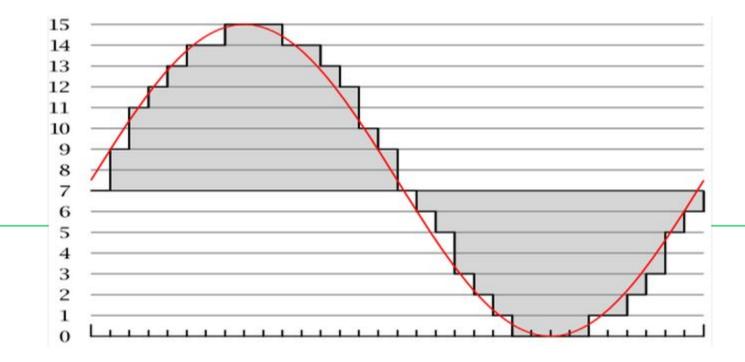






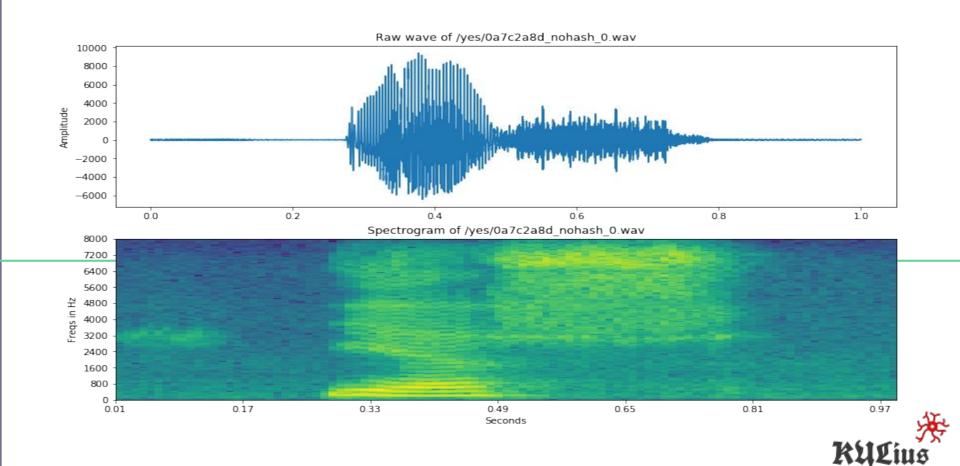


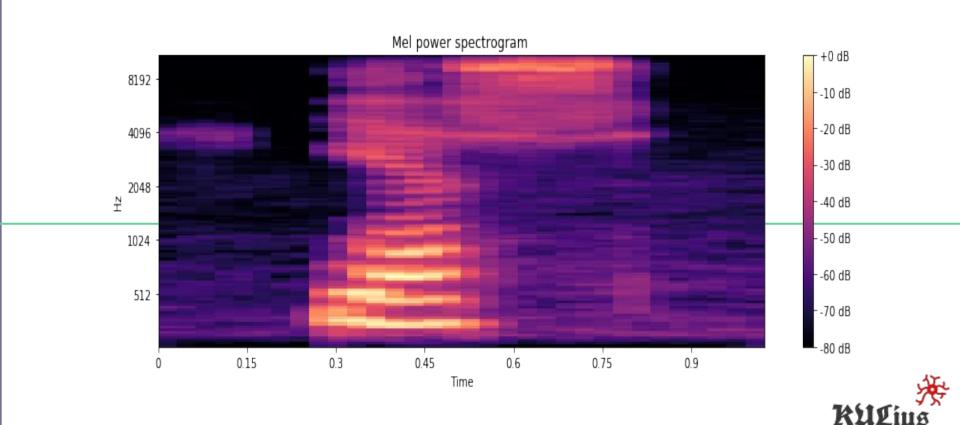


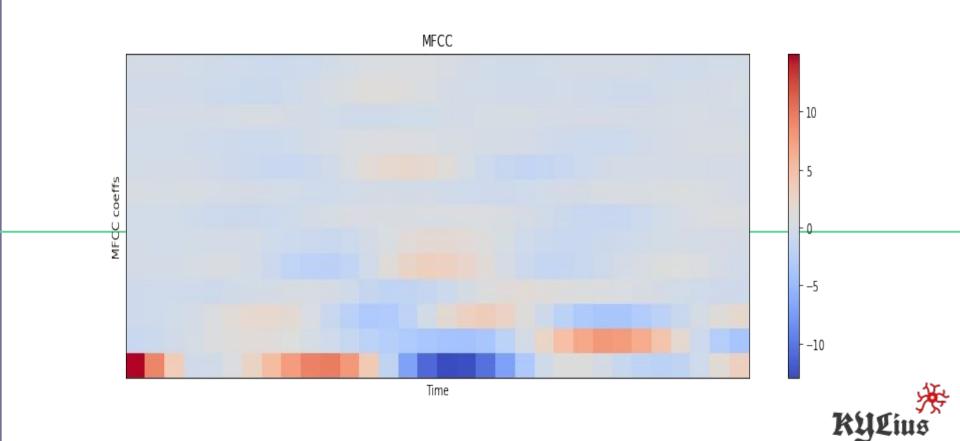


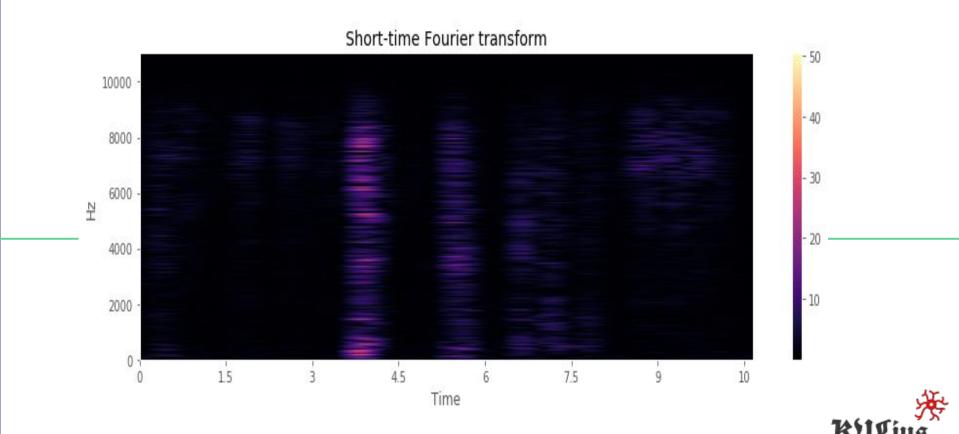






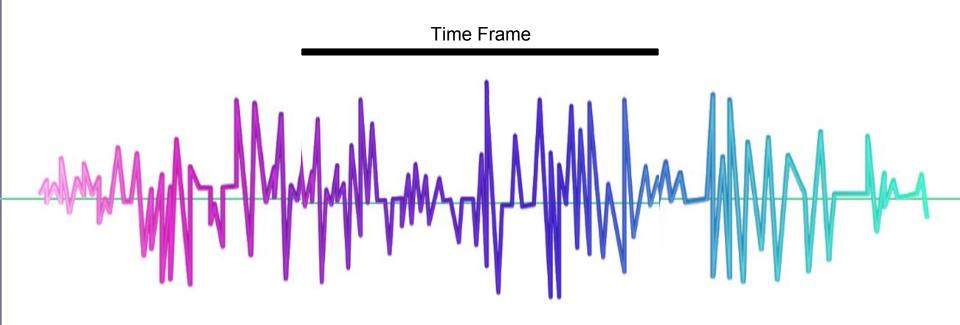






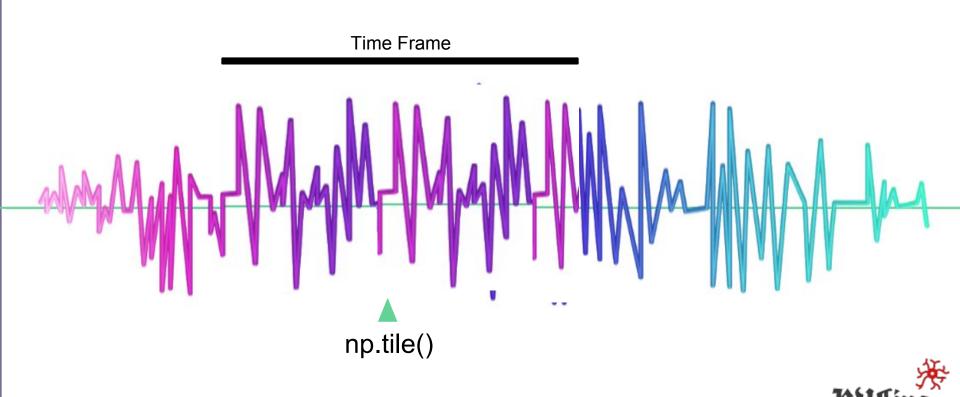


DATA PROCESSING

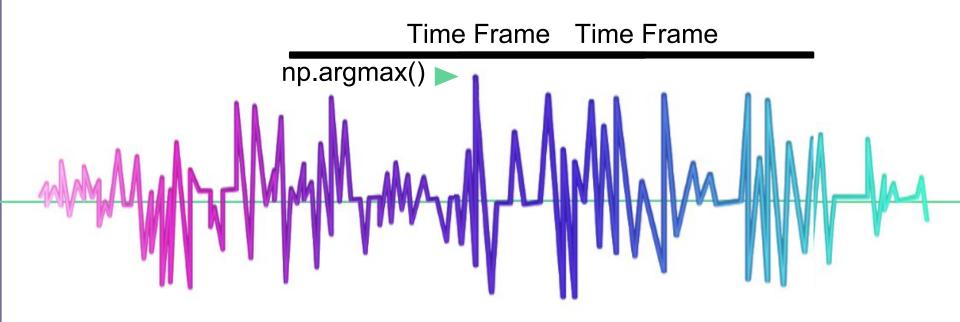




DATA PROCESSING



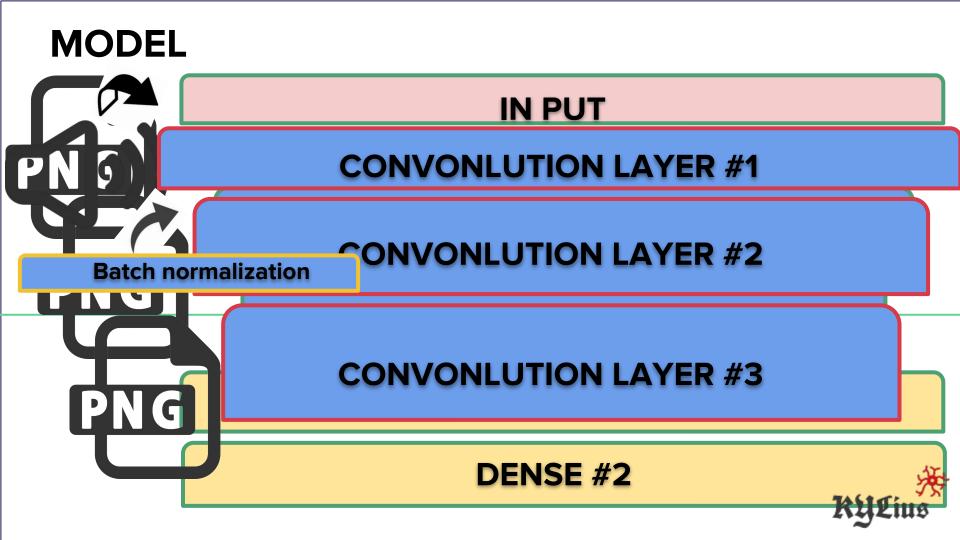
DATA PROCESSING





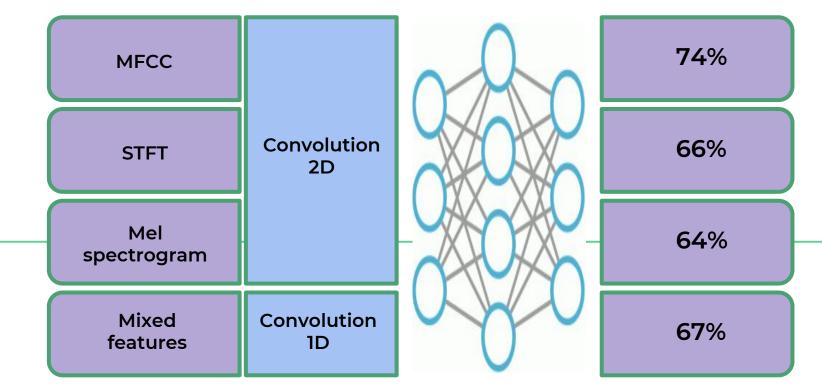
4. MODEL





MODEL **IN PUT CONVONLUTION LAYER #1 Batch normalization CONVONLUTION LAYER #2 Batch normalization CONVONLUTION LAYER #3 Batch normalization** DENSE #1 **Batch normalization** DENSE #2

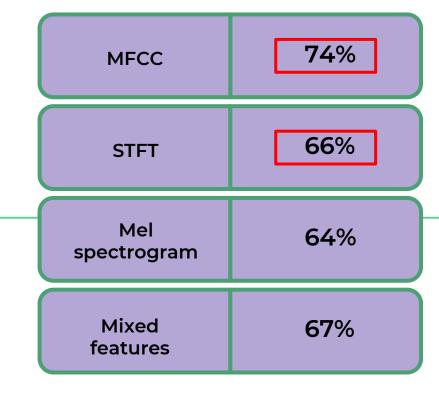
MODEL





5. ENSEMBLE







Error list (MFCC)

aaf6167e.wav

710d8919.wav

5f6ea2fe.wav

1b73bbfd.wav

491b140e.wav

...

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Error list (MFCC)

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710d8919.wav

5f6ea2fe.wav

1b73bbfd.wav

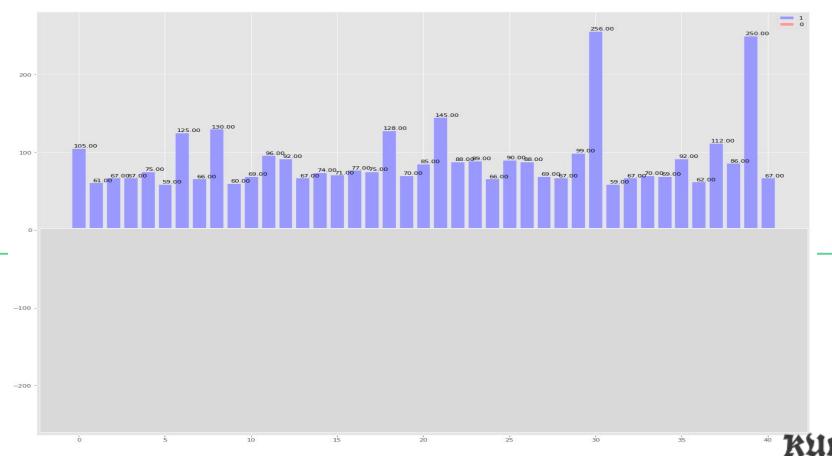
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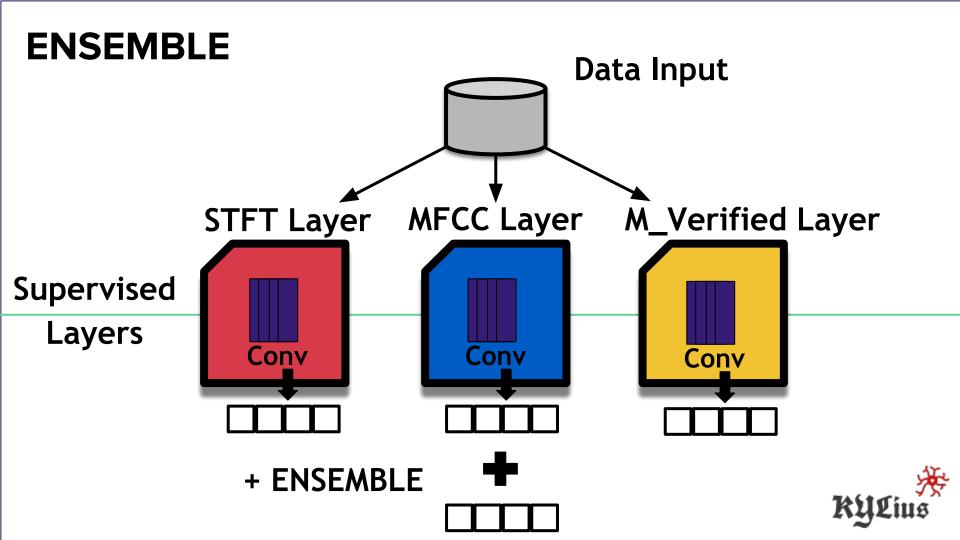
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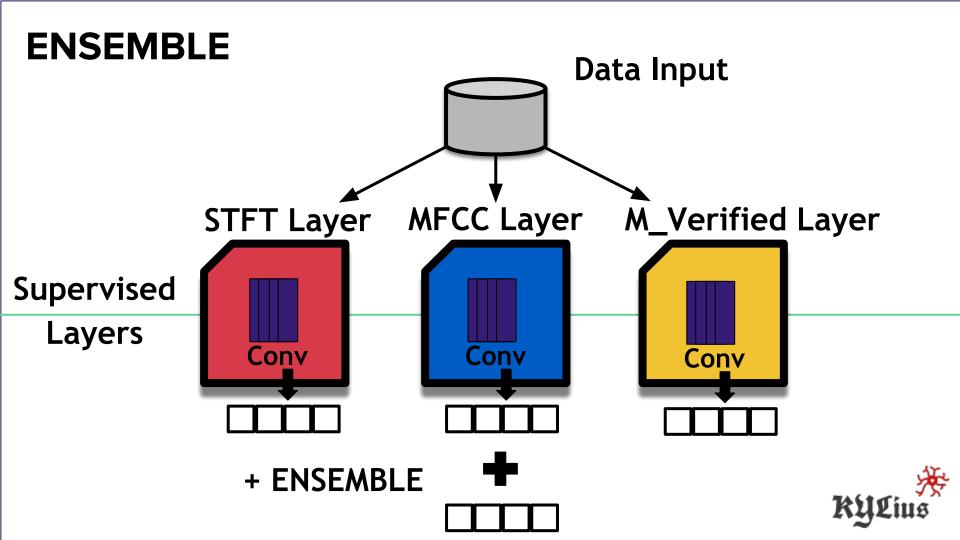
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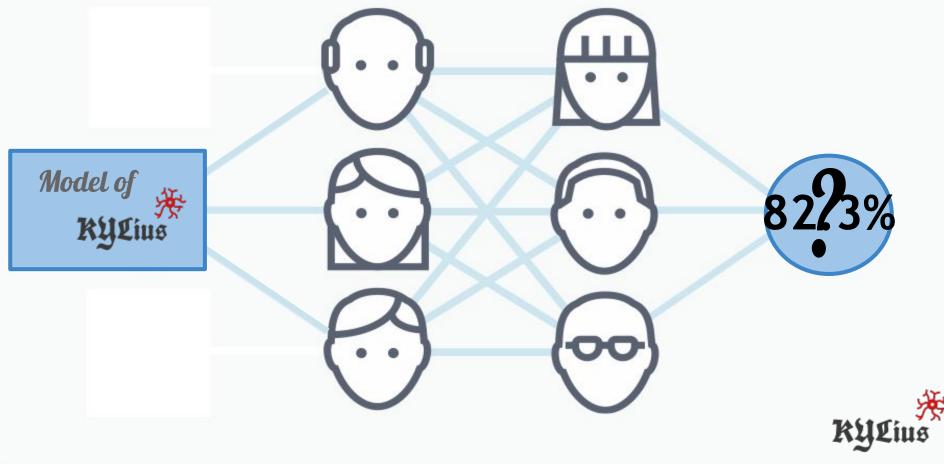
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41	new	rajat arora	A	0.825	3	17h
42	new	kyl-team	P	0.823	1	4m
43	▼ 8	yukiya	4	0.822	3	14d



결 론



kaggle.com



감사합니다.

