

開放平台軟體 期末報告

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June 11, 2019

Outline

1 Introduction

- Introduction to your team
- Introduction to the problem you're trying to solve

2 Methodology

- Input of your model
- Output of your model
- Each layer of your model
- How you save your model?
- File size of your model
- What's your loss functions, and why?
- What's your optimizer and the setting of hyperparameter?

3 Dataset

- The size of our dataset should be larger than 1K
- How you collect/build dataset?
- How many paired training samples in dataset?
- How many paired validating samples in dataset?
- How many paired testing samples in dataset?

4 Experimental Evaluation

- Experimental environment (CPU, GPU, memory, . . . , etc.)
- How many epochs you set for training?
- Qualitative evaluation
- Quantitative evaluation

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Dataset

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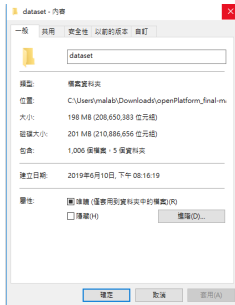


Figure: It's our Datasize

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Dataset

How you collect/build dataset?

- 1.把音樂下載成MP3的格式
- 2.用裁切軟體裁剪成每10秒一個人聲的音訊檔
- 3.把這些資料取mfcc特徵向量並製作成.npy這個壓縮檔

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Dataset

How many paired training samples in dataset?

使用800筆資料去訓練成模組

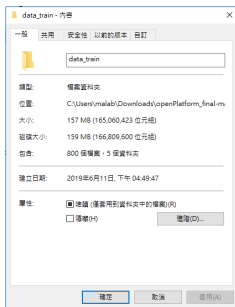


Figure: 所有類別的Train Data

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Dataset

How many paired validating samples in dataset?

總共200筆資料來驗證模組的準確度

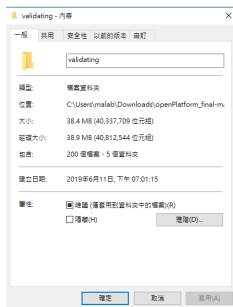


Figure: 所有類別的Validating Data

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Dataset

How many paired testing samples in dataset?

總共200筆資料來測試模組

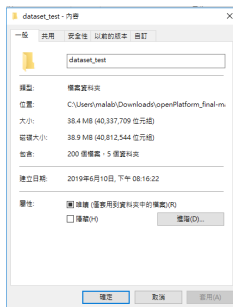


Figure: 所有類別的Test Data

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