Final Presentation

June 7, 2019

1 Producing presentation slides using the LaTex

2 Content includes the following

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

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

- Dataset
    - The size of your dataset should be larger than 1K
    - How you collect/build your dataset?
    - How many paired training samples in your dataset?
    - How many paired validating samples in your dataset?
    - How many paired testing samples in your dataset?
- Experimental Evaluation
    - Experimental environment (CPU, GPU, memory,. . .,etc.)
    - How many epochs you set for training?
    - Qualitative evaluation
    - Quantitative evaluation
- Live demo of your work

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(Fig. 1)

Figure: 1

Introduction to your team

- 1053311 李厚儆
- 1041517 桑翊軒
- 1053312 陳冠廷
- 1051535 楊宗霖
- 1053318 張嘉祐

Introduction to the problem you're trying to solve

期末專題主要是想解決我們對大自然的好奇心，當我們在校園探索當中，有很多花我們不知道其名稱，透過這門課所學的知識，利用影像辨識的方法，將各種花朵辨識出來。

Input of your model

(Fig. 2)

Figure: 2

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Content includes the following

Output of your model

Prediction result(包含: 預測的label, 其信心度)(Fig. 3)

Figure: 3

Producing presentation slides using the LaTex
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Introduction
Methodology
Dataset
Experimental Evaluation
Live demo of your work
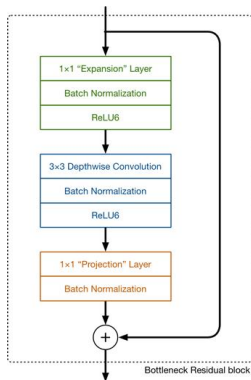
Each layer of your model

Expansion layer, convolution layer, projection layer. . . (Fig. 4)

Figure: 4

Producing presentation slides using the LaTex
Content includes the following

Introduction
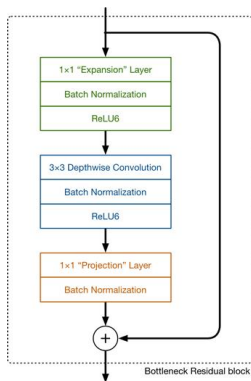Methodology
Dataset
Experimental Evaluation
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How you save your model?

We save as filename.pb(pb檔)

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File size of your model

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What's your loss functions, and why?

What's your optimizer and the setting of hyperparameter?

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The size of your dataset should be larger than 1K

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How you collect/build your dataset?

對花做360度的影片拍攝，再將影片以frame切割。

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How many paired training samples in your dataset?

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Content includes the following

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How many paired validating samples in your dataset?

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Content includes the following

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How many paired testing samples in your dataset?

Experimental environment (CPU, GPU, memory,. . .,etc.)

CPU

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How many epochs you set for training?

4000

Qualitative evaluation

Quantitative evaluation

Live demo of your work