**影像處理(Image Processing) Final Project**

NE6114011 人工智慧科技碩士學位學程碩一 楊雲翔

Methods

Experiment

以下實驗數據皆為使用Val資料夾中圖片的驗證結果

欄位說明:

1. **：**分別屬於powder uncover, powder uncover或scratch之圖片的平均dice coefficient
2. **：**所有圖片的平均dice coefficient
3. **：**分別屬於powder uncover, powder uncover或scratch之圖片的平均AP50
4. **mAP：**所有類別平均AP

**\*表最高者**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Fold** | **(%)** | **(%)** | **(%)** | **(%)** | **(%)** | **(%)** | **(%)** | **mAP**  **(%)** |
| Fold1 | 77.1\* | 92.3 | 97.0\* | 88.8\* | 68.3 | 99.5\* | 99.5\* | 89.1 |
| Fold2 | 75.7 | 92.5 | 95.9 | 88.0 | 76.6 | 99.5\* | 99.5\* | 91.9 |
| Fold3 | 74.6 | 92.8\* | 96.7 | 88.1 | 79.0\* | 99.1 | 99.5\* | 92.5\* |
| Fold4 | 76.6 | 92.4 | 96.4 | 88.5 | 69.0 | 99.5\* | 99.5\* | 89.3 |
| Average | 76.0 | 92.5 | 96.5 | 88.4 | 73.2 | 99.4 | 99.5 | 90.7 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Fold** | **(%)** | **(%)** | **(%)** | **(%)** | **(%)** | **(%)** | **(%)** | **mAP**  **(%)** |
| Fold1 |  |  |  |  |  |  |  |  |
| Fold2 |  |  |  |  |  |  |  |  |
| Fold3 |  |  |  |  |  |  |  |  |
| Fold4 |  |  |  |  |  |  |  |  |
| Average |  |  |  |  |  |  |  |  |

Discussion

* 有些圖片的label是錯的
* Label用多邊形直接進行轉換，導致完全失真，甚至有overlap的

一張含有 文字, 白板, 室內 的圖片

自動產生的描述

Conclusion