

# AI模型 - Document #208

## Regression code(0716交接)

2024-07-16 07:27 - shunya chang

狀態:	In Progress	開始日期:	2024-07-16
優先權:	Normal	完成日期:	
被分派者:		完成百分比:	0%
分類:		預估工時:	0:00 小時
版本:		耗用工時:	0:00 小時
<b>概述</b>			
[regression csv] <a href="https://colab.research.google.com/drive/1SH8UoQ6i17OhSJ_ZRh3-GFfvOOa274Z#scrollTo=ImBlNmHnNMgY">https://colab.research.google.com/drive/1SH8UoQ6i17OhSJ_ZRh3-GFfvOOa274Z#scrollTo=ImBlNmHnNMgY</a>			
[anemia_regression] <a href="https://colab.research.google.com/drive/1silBpRkKbKlhbJziQV_IkyhHdG0AB3w8K#scrollTo=YhcM_vZFb1qH">https://colab.research.google.com/drive/1silBpRkKbKlhbJziQV_IkyhHdG0AB3w8K#scrollTo=YhcM_vZFb1qH</a>			

### 歷史

#1 - 2024-07-16 08:08 - shunya chang

- 主旨 從 Regression code 變更為 Regression code(0716交接)

#2 - 2024-07-16 08:22 - shunya chang

- 檔案 clipboard-202407161620-lcl dj.png 已新增

- 檔案 clipboard-202407161622-zzt5m.png 已新增

(classification+Unet+regression model)串接 : <https://colab.research.google.com/drive/1ApyGaCJzNE12whZGDNjUwYN8yzKR3rrf?usp=sharing>

```
# Write results to a CSV file
def write_results_to_csv(results, output_file):
    columns = ['image_name', 'r_minus_gb_avg', 'r_avg', 'g_avg', 'b_avg', 'h_avg', 's_avg', 'v_avg', 'gray_std', 'result_label', 'confidence', 'predictions']
    df = pd.DataFrame(results, columns=columns)
    df.to_csv(output_file, index=False)

# Specify the folder containing the images and the output CSV file
folder_path = '/content'
output_file = '/content/predictions.csv'

# Process images and write results to CSV
results = process_images(folder_path)
write_results_to_csv(results, output_file)
print(results)
```

```
# Load PyTorch model for anemia detection
torch_model_path = '/content/drive/MyDrive/Colab Notebooks/anemia_test/cspnet_full_model.pth'
torch_model = torch.load(torch_model_path)
torch_model.eval()

# Load TensorFlow model for feature extraction
tf_model_path = '/content/drive/MyDrive/Lab321_remote/model/model_0823.h5'
tf_model = load_model(tf_model_path, compile=False)

# Load the regression model
regression_model = load('/content/regression0626.joblib')
```

### 檔案

clipboard-202407161620-lcl dj.png	39 KB	2024-07-16	shunya chang
clipboard-202407161622-zzt5m.png	30.2 KB	2024-07-16	shunya chang