# Final Project

4/19 Content



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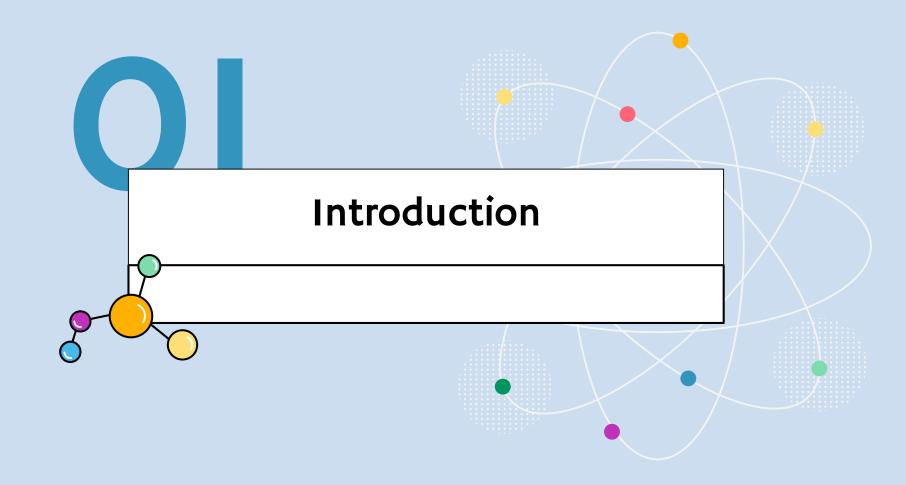
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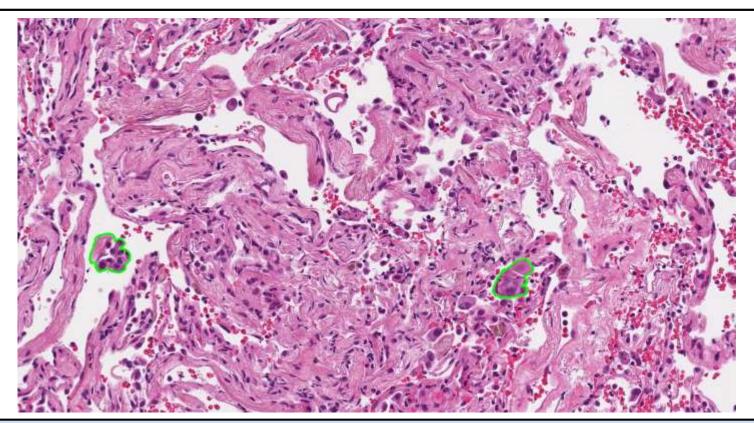
#### **AI Cup 2022**

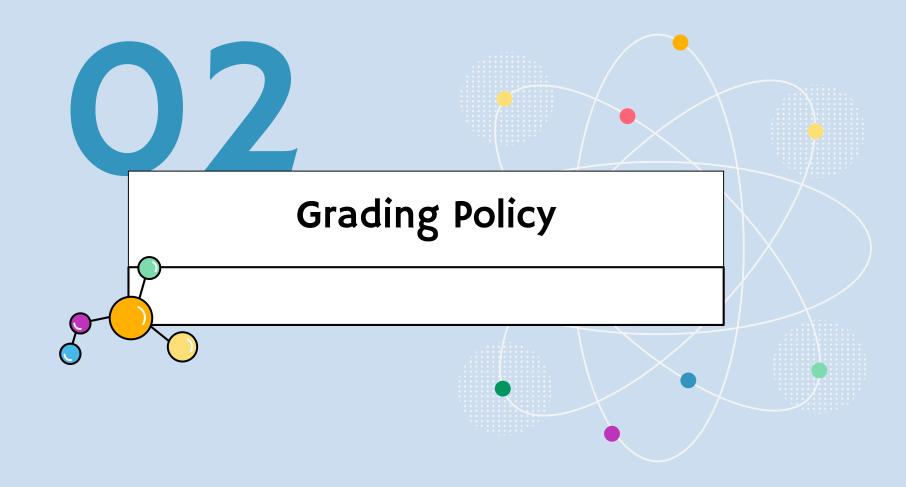






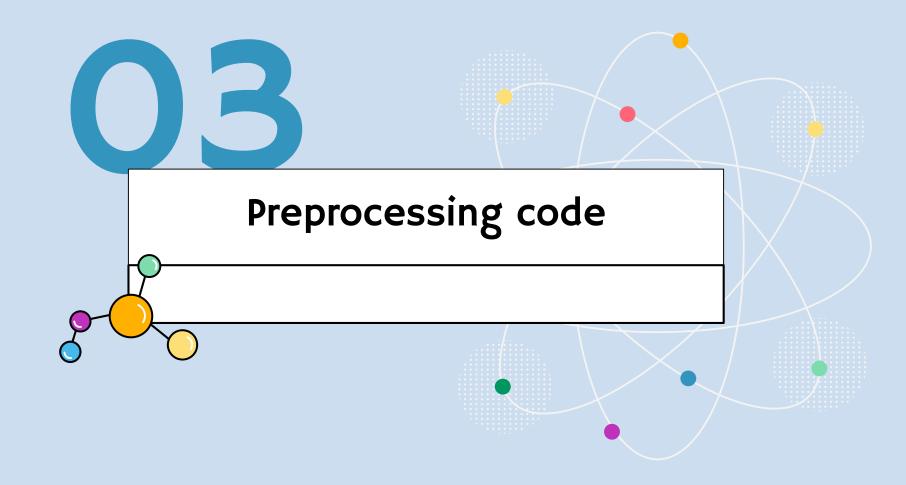
## 肺腺癌病理切影像之腫瘤氣道擴散偵測競賽





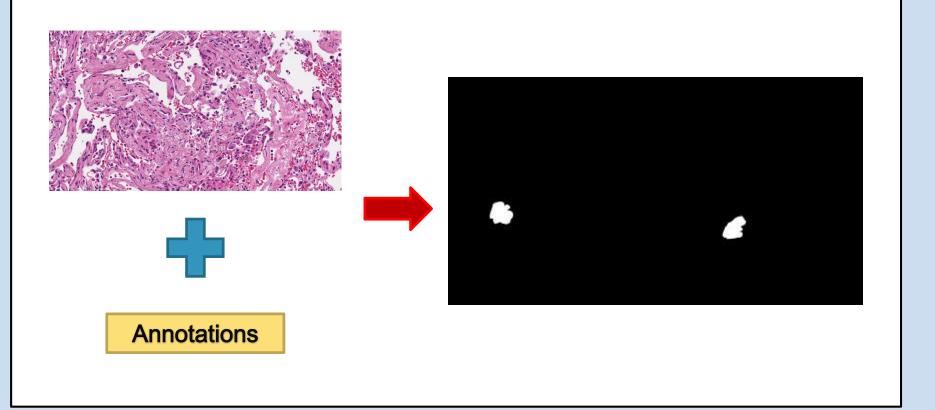
# Grading Policy

1. Leaderboard	2. Approaches
Inference Dice Score and Best rank	Please describe your approaches briefly, including network, parameters, layers, and techniques.
3. Group Info	4. Discussion or issue
Team name, members and score.	If none, you can share your experience gained from this competition.





### Annotations to mask





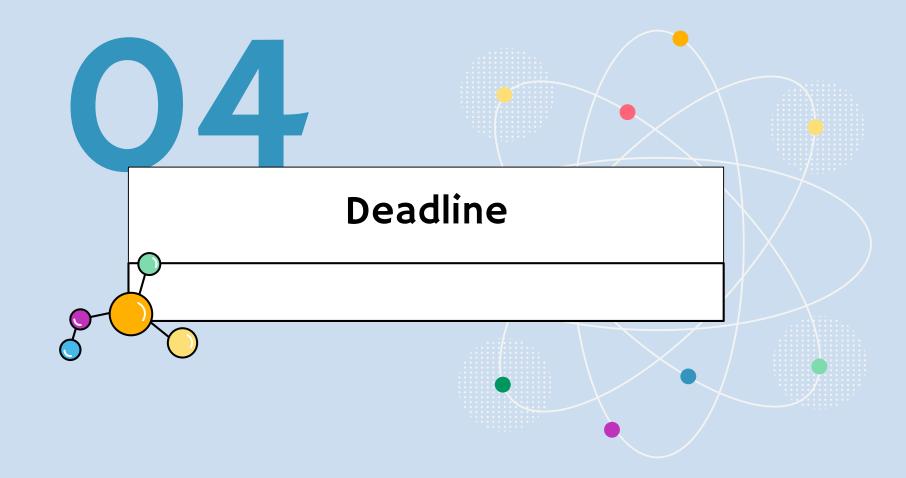
#### Annotations to mask

```
import os
import json
import numpy as np
import cv2
dataset root = './SEG Train Datasets'
anno_path = os.path.join(dataset_root, 'Train_Annotations')
mask path = os.path.join(dataset_root, 'Train_Masks')
os.makedirs(os.path.join(dataset root, 'Train Masks'), exist ok=True)
for jsonfile in os.listdir(anno_path):
    f = open(os.path.join(anno path, jsonfile))
   data = json.load(f)
   mask = np.zeros((data['imageHeight'], data['imageWidth'], 1), dtype=np.uint8)
   for polygan in data['shapes']:
       pts = np.array(polygan['points'], dtype=np.int32)
       cv2.fillPoly(mask, [pts], color=255)
    save mask path = jsonfile.split('.')[0] + '.png'
   save_mask_path = os.path.join(mask_path, save_mask_path)
    cv2.imwrite(save mask path, mask)
```



#### Download

- 🕂 📃 [Final project] Preprocessing code 🖋
- + Final project]Training dataset download 🖋
- 💠 👔 [Final project]範例code 🖋





#### **Deadline**

M	idte	rm

2022/05/03.Tue 14:00





#### <u>HW3</u>

2022/04/29.Fri 23:59

#### <u>Competition</u> <u>Deadline</u>

2022/06/01.Wed





#### **Final Project**

2022/06/17.Fri 23:59