

Analyse

February 22, 2020

```
[1]: import seaborn as sns
import pandas as pd
from sklearn.metrics import confusion_matrix
import matplotlib.pyplot as plt

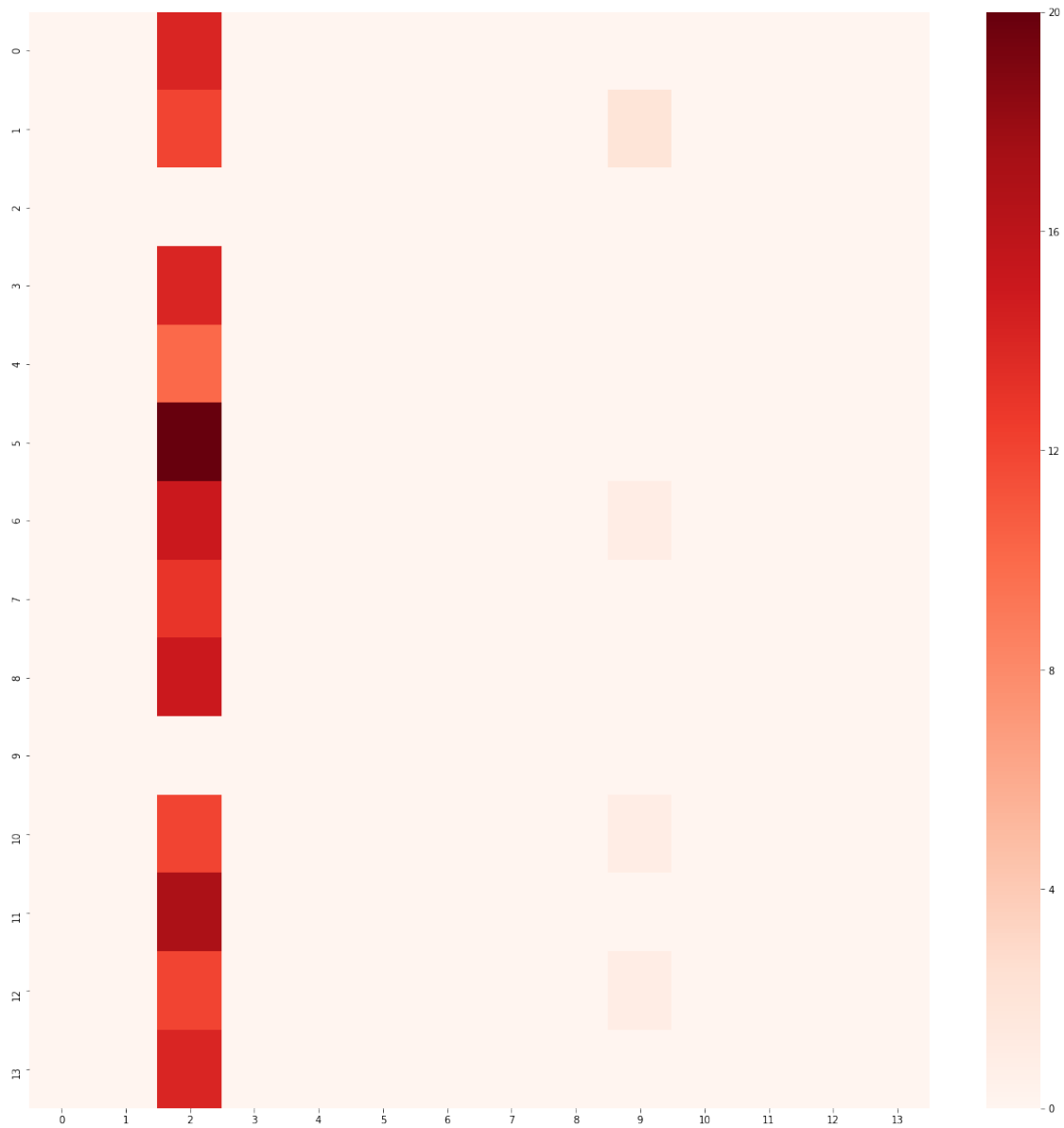
[2]: def readFile(file_path):
    f = open(file_path, 'r')
    firstLine = True
    detected = []
    answer = []

    for line in f:
        l = line.strip()
        if firstLine:
            firstLine = False
        else:
            splitted = line.split(',')
            detected.append(splitted[1])
            answer.append(splitted[2])
    f.close()
    return detected, answer

[3]: detected, answer = readFile('detected.csv')
cm = confusion_matrix(answer, detected)

[4]: fig, ax = plt.subplots(figsize=(20,20))
sns.heatmap(cm, cmap='Reds', ax=ax)

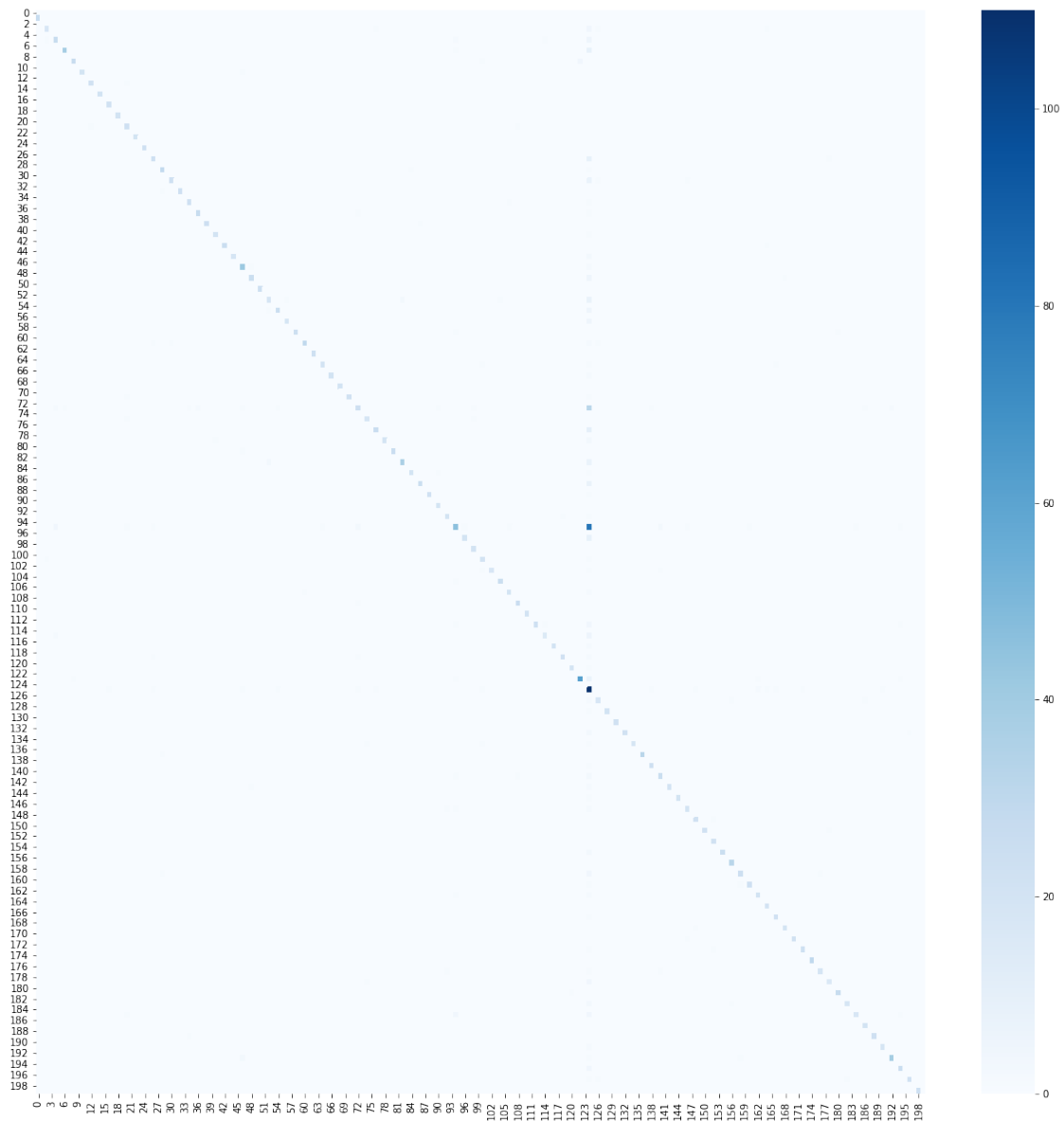
[4]: <matplotlib.axes._subplots.AxesSubplot at 0x1a1a9bd908>
```



```
[5]: detected, answer = readFile('detected_food.csv')
     cm = confusion_matrix(answer, detected)
```

```
[6]: fig, ax = plt.subplots(figsize=(20,20))
     sns.heatmap(cm, cmap='Blues', ax=ax)
```

```
[6]: <matplotlib.axes._subplots.AxesSubplot at 0x1a1b584518>
```



[]: