Analyse

February 22, 2020

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

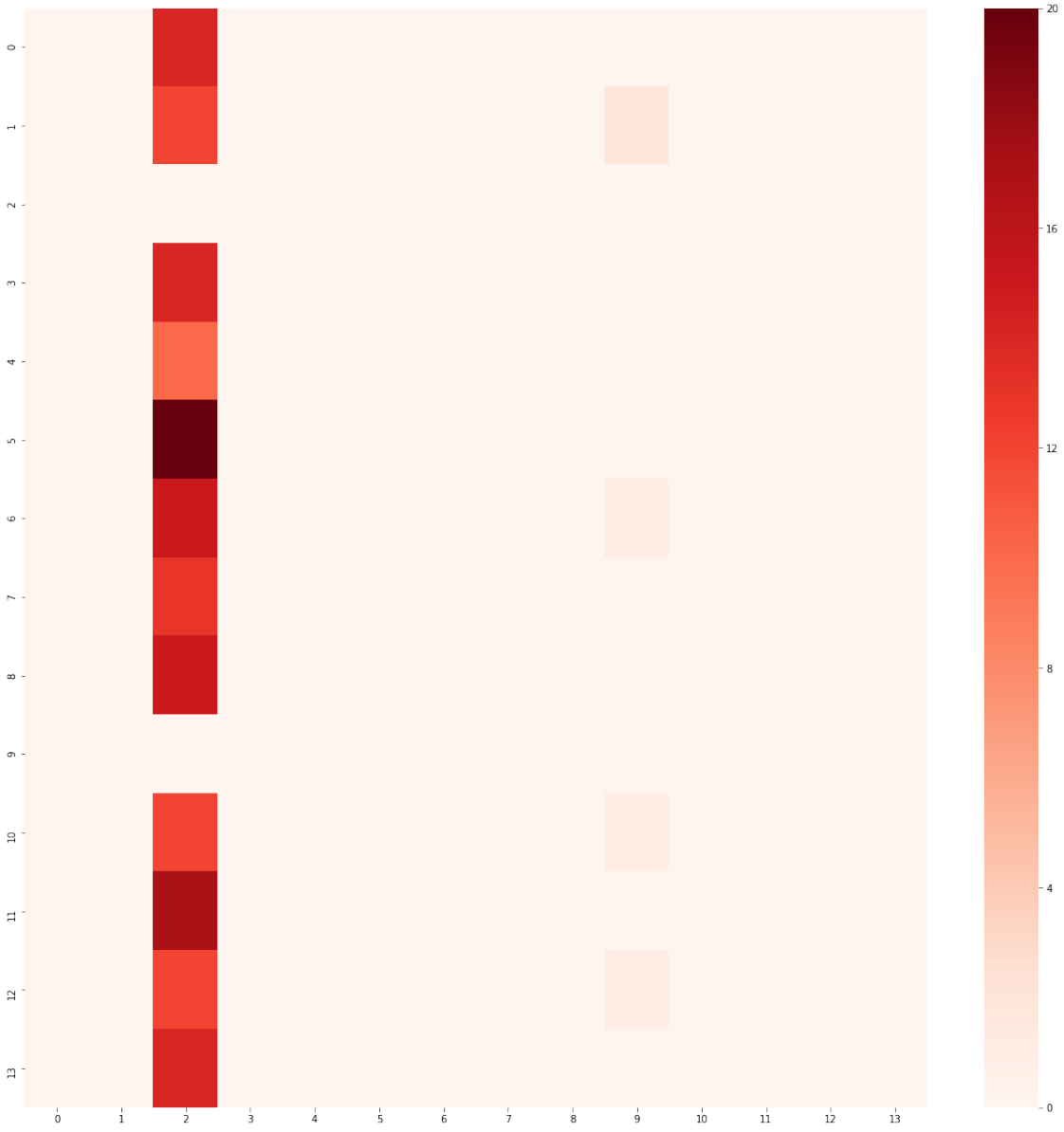
[2]:
```
def readFile(file_path):
    f = open(file_path, 'r')
    firstLine = True
    detected = []
    answer = []

    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)
```

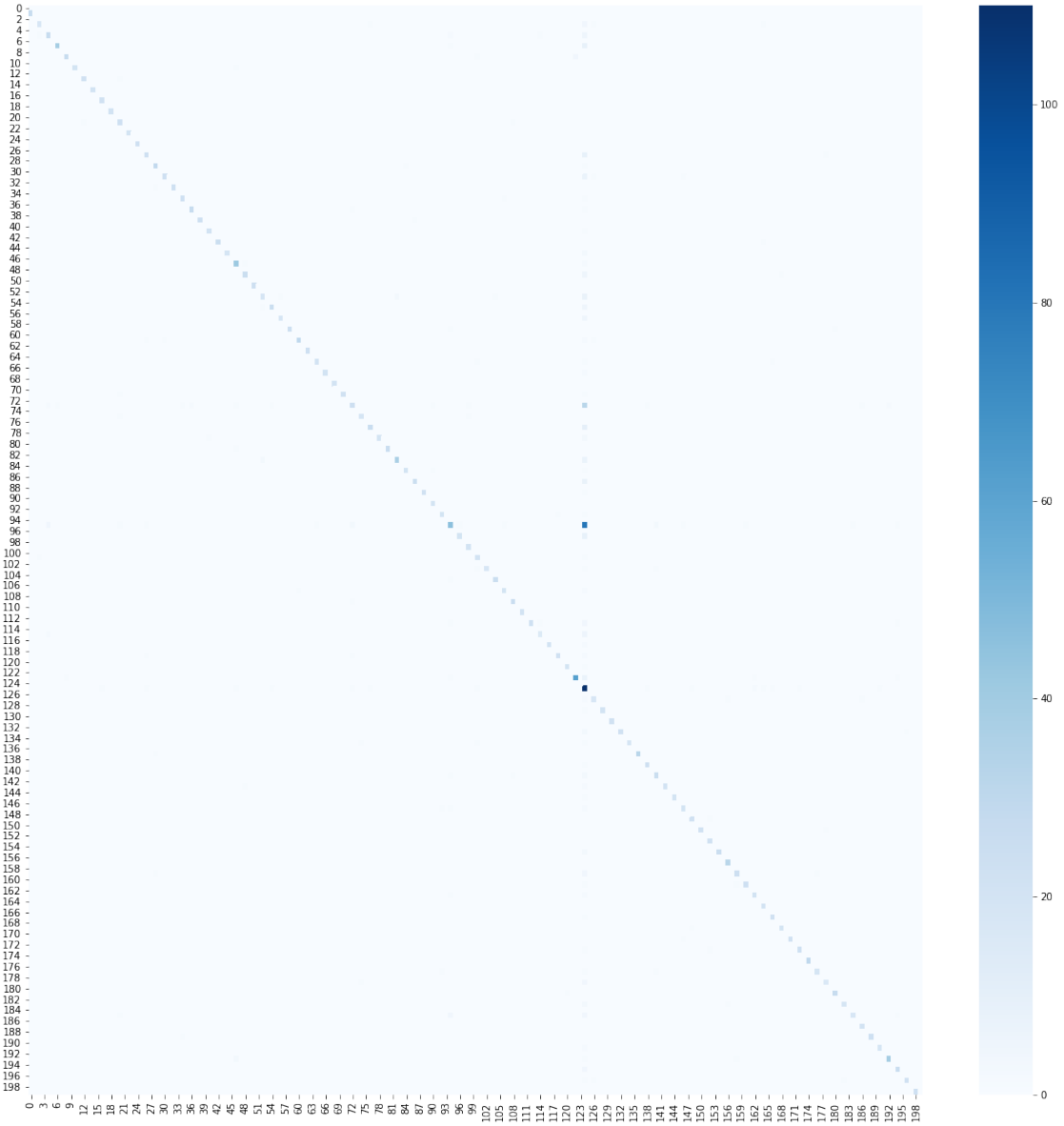
[4]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x1a1a9bd908>
```



[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>
```



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