

## Python

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-----step_1-----
import pandas as pd
import csv
import openpyxl
-----step_2-----
input_excel = ['sources_since_2019.xlsx', 'us_agriculture_exports.xlsx', 'us_agriculture_exports_destinations.xlsx',
               'us_agriculture_imports.xlsx', 'us_agriculture_imports_sources.xlsx', 'destinations_since_2019.xlsx',
               'european_union.xlsx']
```

```
-----step_3-----
output_csv = ['sources_since_2019.csv', 'us_agriculture_exports.csv', 'us_agriculture_exports_destinations.csv',
              'us_agriculture_imports.csv', 'us_agriculture_imports_sources.csv', 'destinations_since_2019.csv',
              'european_union.csv']
```

```
-----step_4-----
for i in input_excel:
    a = pd.read_excel(i)
    a = pd.fillna(0)
    for k in output_csv:
        a.to_csv(k, index=False)
```

```
-----step_5-----
import pandas as pd
import openpyxl
import csv
```

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-----step_6-----
data = pd.read_excel('analysis_multiple_sheets.xlsx', sheet_name=None)
```

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-----step_7-----
for k,v in data.items():
    v.to_csv(f"{k}.csv", index=False)
```

-----Explanations-----

step\_1: Import all the libraries required to do the task. But technically only "pandas" is needed.

step\_2: input\_excel is the list of all the excel files that I am going to read in python using "pd.read\_excel". All the files are located including the python file in same folder.

step\_3: output\_csv is the list of csv files names that I am going to export using "pd.to\_csv" command

step\_4: Looping through input\_excel list to read all the files at once using variable "a". Then filling any missing value with "0". Looping through output\_csv to export all excel files into csv files with index False.

step\_5: Importing all the libraries for another excel file contain multiple sheets.

step\_6: Reading the excel file with variable data.

step\_7: Considering the excel file as dictionary and then exporting to csv as v(sheet\_name), k(file\_name), and index False.

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