Intrastat Pipeline and Process

READ

ANALYSE

TRANSFORM

EXPORT

① READ
Read in data external commodity codes (CN8) and and foreign exchange rates requested from URL resources. Import into pipeline as lookup tables and save files locally for auditing. Read in source data.

② ANALYSE
Apply CN8 and FX rate lookups to facilitate the error checking of source intrastat data, extracted from the reporting system of a fictitious company.

③ TRANSFORM
Transform the data according to the requirements of the statistical authority to which the intrastat declaration applies.

④ EXPORT
Export the transformed data using format imposed by the statistical authority. Export log files and process metrics for external analysis.

```
CommodityCode.py

cc_read()
cc_transform()
cc_export()
```

```
Intrastat.py

read()
analyse()
transform()
export()
```

```
FxRate.py

fx_read()
fx_transform()
fx_export()
```

```
Constants.py

GLOBAL_VARIABLES
```

```
Run.py

main()
```