

# Details

## 1. RefugeeStats Class (10 pts)

Define a class named `RefugeeStats`. Its constructor should take a list of records encoded as dictionaries and store that data. You may choose to store the data in a structure of your choice, but you should call the functions discussed in Parts 2 and 3 first using the list of dictionaries, and then store the data as you wish. At a minimum, the constructor should take the list of records created in the first code cell; e.g. `s = RefugeeStats(records)` should work.

Because you will be adding to this class in the rest of the assignment, the evaluation of this part is limited to the syntax of the class, the constructor, and proper storage of any instance variable(s).

## 2. Rename Fields (10 pts)

Write an *instance function* named `rename_fields` that modifies the name of the keys of each dictionary in the list according to the following map:

```
{'Asylum-seekers (pending cases)': 'asylum',
 'Country / territory of asylum/residence': 'country',
 'Internally displaced persons (IDPs)': 'idps',
 'Origin': 'origin',
 'Others of concern': 'others',
 'Refugees (incl. refugee-like situations)': 'refugees',
 'Returned IDPs': 'ret_idps',
 'Returned refugees': 'ret_refugees',
 'Stateless persons': 'stateless',
 'Total Population': 'total',
 'Year': 'year'
}
```

At the end of processing, each record should look something like:

```
{'asylum': 268,
 'country': 'Angola',
 'idps': 0,
 'origin': 'Guinea-Bissau',
 'others': 0,
 'refugees': 1,
 'ret_idps': 0,
 'ret_refugees': 0,
 'stateless': 0,
 'total': 269,
 'year': '2014'}
```

You should call this method from the constructor.

Hints:

- You can modify the records in place if you want.
- Copy the dictionary above and use it to help streamline this process.
- Dictionaries have a `pop` method that when passed the key, deletes that entry and returns the key.