**Assignment**

Using the Excel file, [*Migration data (https://linkedin.box.com/s/s1g6b9fw03pre85esw6epg07y3ae5vu0)*](https://linkedin.box.com/s/s1g6b9fw03pre85esw6epg07y3ae5vu0), prepare a comparative analysis of domestic and international migration for the USA, UK and Australia during 2016. This analysis should look at the patterns of internal migration in each country, the relationships between each country in terms of migration and the characteristics of the migration inflow and outflow.

The data on migration is presented at the individual level (fully anonymised, randomised data) and contains variables that might be useful in informing your analysis. Note the data set is not complete in terms of domestic regional mapping and not all locations are represented in the workbook.

You should consider the final output as something which can be presented to ministerial-level policymakers and should be presented in such a way that can inform policy impact. Please be prepared to walk through your work – documenting your code or Excel manipulations is advised.

The fields in Excel file represent the following:

* **Sheet: Migration**
  + **NEW\_MEM\_ID**
    - Unique identifier representing the member ID for a LinkedIn member
  + **WEEK\_BEGINNING**
    - The start of the week in which the migration event was recorded
  + **SOURCE\_COUNTRY**
    - The country the LinkedIn member was moving from, based on the prior listed location
  + **SOURCE\_REGION**
    - The metropolitan area the LinkedIn member was moving from, based on the prior listed location
  + **DESTINATION\_COUNTRY**
    - The country the LinkedIn member indicated a move to, based on the member’s updated location
  + **DESTINATION\_REGION**
    - The metropolitan area the LinkedIn member indicated a moved to, based on the member’s updated location
* **Sheet: Demographics**
  + **NEW\_MEM\_ID**
    - Unique identifier representing the member ID for a LinkedIn member
  + **HIGHEST\_DEGREE\_OBTAINED**
    - The highest degree level obtained (possible values: ‘associate’, ‘bachelor’, ‘master’, ‘doctor’)
  + **SENIORITY**
    - The level of seniority LinkedIn has determined the member to be. LinkedIn maintains the following standardized seniorities below, roughly listed from most junior to most senior
      * Entry
      * Senior
      * Manager
      * Director
      * VP
      * CXO
      * Partner
      * Owner
  + **EMPLOYER\_INDUSTRY\_SECTOR**
    - The industry sector the LinkedIn member’s employer is categorized against
  + **POSITION\_FUNCTION** 
    - The functional role LinkedIn has classified the given LinkedIn member’s position under