

Students as Co-Creators Disciplinary Research Collaborations

Project Title: Secondary Data Collection and Initial Analysis
for Immigration Research

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1. Executive Summary

- Initial project team meeting on the project methodology.
- Discussion on the practicality of the project, project priorities. Creation of the "Project Journey" document.
- Splitting the project team into mini-groups to cover the areas of secondary data analysis in the areas of 1. Employment and labour 2.Education 3.Migration (Alex)
- Identification of target visits of the team members to explore local archives and data collections across the UK

2. Background and Aims

Context: It is known that a significant part of data intensive research are the activities to analyse existing data/datasets. As the team was interested in the datasets related to migration, we planned to understand what is available for us, how to develop an approach to searching/selecting/filtering data and what could be some initial analysis to judge if a specific dataset can be useful for some given problem and in what aspect. Moreover, is there any way to find implicitly contained information in the datasets that do not explicitly mention this target information.

Goals: To find out

- What are the best UK databases available for immigration academic research?
- Can these databases be integrated for use in the immigration research?
- **3. Out Approach.** After some first steps of the analysis of the available datasets we found that it is incredibly difficult to gain any information on a specific topic, specifically if we want to target rather large time interval. For example, if we are interested in second/third generation of migrants employment issues, it is far from straightforward to determine where to obtain relevant data. Moreover, we also found that several datasets we have been analysing require very specific level of knowledge. Here, in particular, our "data" degree students were very helpful. Therefore, the team had a series of brainstorming sessions which resulted in the following outputs.

Problem-setting. There are many sources that provide information about immigration trends and immigrants socio-economic status in the UK. As part of our work on occupational attainment for immigrants, we came to realise that these sources offer different data in terms of types (numerical and textual), span and content. This makes examining key research questions on immigration issues and the economic outcomes of immigrants in the UK difficult as it depends to greater extent on the quality and availability of suitable data. **What can we learn from demographic data about the UK's changing demography of migration?** The UK's demographic profile has seen tremendous changes over the Twentieth and early Twenty First centuries. Most notably, the migration of populations from South Asia, the Caribbean and Eastern Europe highlight that broader currents impact on the composition of the UK's own population. What can we gain from the existing data sets on demographic composition and change over time in the UK by examining the ontological basis of the application of data categories and the usage of data in shaping public discourse on the UK's population.

Research Questions: Can we identify/connect how policy approaches (such as immigration legislation, labour laws, and equalities) are built on and feed back into the ontological basis of data on such areas such as Employment and Labour, Education, Migration.

Methodology: Therefore, the team has identified a broader aim of this research -- to identify datasets that best inform the problem setting above, looking at some dedicated areas such as Employment and Labour, Education, and Migration. This determined splitting of the team in three mini-groups to work on the datasets given below.

Identification of the DATASETS AREAS/SUBJECTS to look at and the parameters (variables) to consider.

Employment and labour

- which ethnic groups are working or are concentrated in different sectors of the economy in the UK
- business and trade data within the UK or between regions

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· Income for ethnic/regional groups

Education

- Level of education according to ethnicity
- Type of schooling (private, comprehensive/state and grammar/state selective) according to ethnicity

Migration

- Macro data on inbound and outbound migration
- Place of birth in the UK
- Languages spoken
- Areas of concentration by ethnicity and migration
- Remittances between the UK, South Asia and the Caribbean

First steps - datasets analysis

The team found it useful to ask minigroups to fill the table below following the analysis of relevant datasets.

| Target Data Topic | Description of data (What would it give us?) | Target Dataset (name & | Open/Clo sed Access | Main Features | Data Coverage (time, granularity, regions, | |
|----------------------|----------------------------------------------|------------------------------|---------------------------|------------------|--------------------------------------------------|--|
| | | URL) | | | countries,) | |

The subsequent activities were devoted to

- First finding information to populate the table,
- Second identifying prospective visits to the UK archives/data collections

4. Results

The following information was populated while answering the specific rubrics of the table.

| Target Data Topic | Description of data (What would it give us?) | Target Dataset (name & URL) | Open/Clo sed Access | Data Format | Main Features | Data Coverage (time, granularity, regions, countries,) |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| This table presents information on Short-Term International Migration using three separate definitions of a Short-Term International Migrant | Nationality of short- term migrants by the primary purpose of their visit (only). Inflow and Outflow. Estimates from the International Passenger Survey, annual table. | Short-term international migration 01, Citizenship by main reason for migration - flows, England and Wales | Open (Office for National Statistics) | .xls Tables in different worksheet s | Citizenship Year Reason for migration Direction of flow. | Migration towards UK. 2004 to 2019. Low granularity. 1 to 12 months migrants. 3 to 12 month migrants. Migrants satisfying the UN definition of short- term migrants |
| Nationality of migrants. Estimates of Long-Term International Migration, annual table. | Provides long-term migration data from different ethnicities. No reason for emigration/immigrat ion provided | Long-term international migration 2.01a, citizenship, UK and England and Wales | Open (Office for National Statistics) | .xls | Citizenship Year Direction of flow. | Migration towards UK. 2004 to 2019. Low granularity. Long term migrants (1 year or more) |
| Regular job or profession of migrants entering or | Migrants occupation prior to migration | International Passenger Survey 3.12b, usual | Open (Office for National Statistics) | .xls | Year Direction of flow Occupation | Migration towards UK. 1976 to 2019. Low granularity |

| | 1 | | ı | I | | |
|------------------------------|-------------------------------------------|--------------------------------|-------------------------|------------------|----------------------------|--------------------------------|
| leaving UK by age. | | occupation prior to | | | Age | |
| Estimates | | migration by | | | | |
| from the International | | age, UK | | | | |
| Passenger | | | | | | |
| Survey, annual table. | | | | | | |
| The primary | Long term main | Long-term | Open | .xls | Reason for | Migration towards UK. |
| purpose of | reasons for | international | (Office for | | migration | 1991 to 2019. Low |
| migrants entering or | migration | migration 2.04, main | National Statistics) | | Inflow Outflow | granularity |
| leaving UK. | | reason for | Otatiotics) | | Year | |
| Estimates of | | migration, | | | | |
| Long-Term International | | UK and England and | | | | |
| Migration, | | Wales | | | | |
| annual table | A -llt | NUNI- | Danisina | Davidad | Ninting lite. | 0000 0004 |
| Data on non- UK nationals | Adult overseas nationals entering | NINo Registrations | Requires registratio | Download able in | Nationality Gender | 2002-2021 Only UK coverage |
| registering for | the UK and | To Adult | n | various | Age | Low granularity |
| a NINo | allocated a National Insurance Number | <u>Overseas</u> | | formats | Local | |
| | (NINo) on the | Nationals Entering The | | | authority for registration | |
| | National Insurance | <u>UK</u> | | | | |
| | Recording & Pay As You Earn | | | | | |
| | System (NPS). All | | | | | |
| | adult overseas | | | | | |
| | nationals allocated a NINo are | | | | | |
| | included, | | | | | |
| | regardless of their length of stay in the | | | | | |
| | UK. | | | | | |
| Drevides on | Niverbound | On a na a rahin | On an /LU/ | - d- | Mantein a | Moule on an auchina |
| Provides an overview of | Number of organisations on | Sponsorship summary | Open (UK Governm | .ods | Working visa | Work sponsorships 2010-2021 |
| the latest | the register of | tables, year | ent | | applications | Low granularity |
| statistics on | sponsors for work Applicants for visas | ending March 2021 | Website) | | , Worker | |
| Sponsorship. More detailed | and extensions of | <u>March 2021</u> | | | Type, Nationality | |
| data are | stay for work using | | | | , | |
| available in the additional | sponsorship certificates | | | | | |
| visas | Applicants for visas | | | | | |
| datasets. | and extensions of | | | | | |
| | stay for work using sponsorship | | | | | |
| | certificates | | | | | |
| Work | Applicants for visas | Work | Open | .xlsx | Year | Work sponsorships 2010-2021 |
| sponsorship (Certificate of | and extensions of stay for work using | sponsorship (Certificate of | | | Type of application | High granularity |
| Sponsorship) - | sponsorship | Sponsorship) | | | Category of | , |
| Detailed Tables | certificates, by tier and industry | | | | leave Industry | |
| i abios | type and nationality | | | | Number of | |
| | | | | | Application | |
| | | | | | s Nationality | |
| Entry | Applications for | Entry | Open | .xlsx | Year | Entry clearance visas |
| clearance visas | entry clearances visas and outcomes | <u>clearance</u> visas | | | Nationality Visa Type | 2010-2021 High Granularity |
| vious | visas and odloomes | <u> </u> | l . | l | visa iype | riigii Giailulality |

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| applications and outcomes. Entry clearance is the procedure used at British missions overseas to check, before a person arrives in the UK, if that person qualifies under the Immigration Rules for entry to the UK. | Includes work related Entry Clearance visas | applications and outcomes | | | Applicant Type Case outcome Number of applicants | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------|-------|-----------------------------------------------------------------|------------------------------------------------------|
| Local area migration indicators | Different migration- related data sources at local authority level including migration flows, non-UK-born and non-British populations, National Insurance number registrations, GP registrations, and births to non-UK- born mothers. | Local area migration indicators, UK | Open | .xlsx | | Local area migration 2010-2021 Low granularity |

The table above provided us with some useful classification of the datasets, main features of these datasets, and gave some understanding of the possible ways for the data interpretation and identification of new datasets (key words) in order to obtain implicit knowledge.

Visit to People's History Museum & John Rylands library archives (Manchester), 01 June 2022.

The team planned this visit to migration related places with the anticipation that it would be extremely useful for the project and would greatly contribute to our study of relevant materials/archives, artifacts/etc available at the places visited. We have chosen to visit two places in Manchester – People's Museum and John Rylands Library Archive. Manchester area is very representative in relation to various aspects of migration.

During the meeting with Lianne Smith, Archivist and Library Manager I Ahmed Iqbal Ullah RACE Centre Visit, we learned that John Rylands Library Archive is an extremely powerful place with great potential. At the same time, we learned that while South-Asian and Afro-Caribbean migration are well represented, the Eastern European Immigration Resources are limited. During the visit we had fruitful discussion on the means of usage of archives and discussed various issues related to the project, such as "scaling", in particular, if the migration ontology could be a route through the datasets. It became clear that two lines of scoping are opening – first around Archives and second – around Specific Datasets linked to communities. A particular task which could be of an interest to the community - bridging the gaps in local archives. The main lesson learnt is that the work on the resources, interpretation of data are crucial under the umbrella of "exhibitions come and go but resources stay", and migration ontology could be one of them.

The visit has been a very successful step towards building the relationships with the Archives, below is an email from the team leader at the Archive who we have met:

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It was a pleasure to meet you last week, and I'm pleased to hear your visit was a fruitful and enjoyable one. I'm very much looking forward to continuing the conversations in due course.

5. Discussion

As we expected the project's area -- secondary data analysis – is an important field but any type of the usage of secondary data requires a specific approach, understanding of the main parameters/variables which could lead to more efficient data discovery, and what is eve more important, the interpretation of the data. A particular issue here is the identification of the ways to find implicitly contained information in the datasets that do not explicitly mention the targeted categories/problem aspects.

6. Conclusion and Recommendations

The project has brought some interesting and useful insights into the SDA, proposing some useful methodology for carrying on the analysis of the data which could be useful for future data intensive projects, specifically, for secondary data analysis related.

7. Dissemination

We plan to disseminate/discuss the project's results among the UoW Migration community.

8. Team Reflection

One of the main problems in our project management was related to changes in our student's partnership. Perhaps, as I often happens, some students who initially expressed their interest, and were active, found later that they overcommitted. However, those who stayed with the partnership and carried on work have produced fantastic contributions!