Immigration Report

Priya Ravindra Dingorkar
BE in Computer Enginnering, Pursing Master of Business Analytics

Aarathy Babu
B.Tech

Junhao Wang
Accounting

Dilinie Seimon
BSc.

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Introduction

Abstract

Methodology

migrants-education

```
fileb1 <- read.csv("data/DIOC_2015_16_File_B_1.csv")
```

```
fileb1cleaned <- fileb1 %>% mutate(
  sex = case_when(
    sex == "1" ~ "male",
    sex == "2"~ "female"
    ),
  edu_lfs = case_when(
    edu_lfs == "1" ~ "low",
    edu_lfs == "2" ~ "medium",
    edu_lfs == "3" ~ "high",
    edu_lfs == "99" ~ "unknown"
  ),
  dos_lfs = case_when(
    dos_lfs == "0" ~ "native-born",
    dos_lfs == "1" ~ "five-years-or-less",
    dos_lfs == "2" ~ "five-to-ten-years",
    dos_lfs == "3" ~ "more-than-ten-years",
    dos_lfs == "23" ~ "more-than-five-years",
    dos_lfs == "99" ~ "unknown",
  ),
  oecd = case_when(
    oecd == "0" ~ "non-member",
    oecd == "1" ~ "member"
  ),
  oecdb = case_when(
```

```
    oecdb == "0" ~ "non-member",

    oecdb == "1" ~ "member"

  ),

  fborn = case_when(

    fborn == "0" ~ "native-born",

    fborn == "1" ~ "foreign-born",

    fborn == "99" ~ "unknown"

  )

  )
```

In the past few decades, Australia has acquired many skilled migrants, contributing substantially towards the local economy. Hawthorne (2010) states that by 2007, two thirds of them were former international students recruited in Australia rather than offshore applicants. This transition has also been named as the "two-step-migration" by Hawthorne (2010).

Section **??** will analyse the education levels of current residents of Australia.
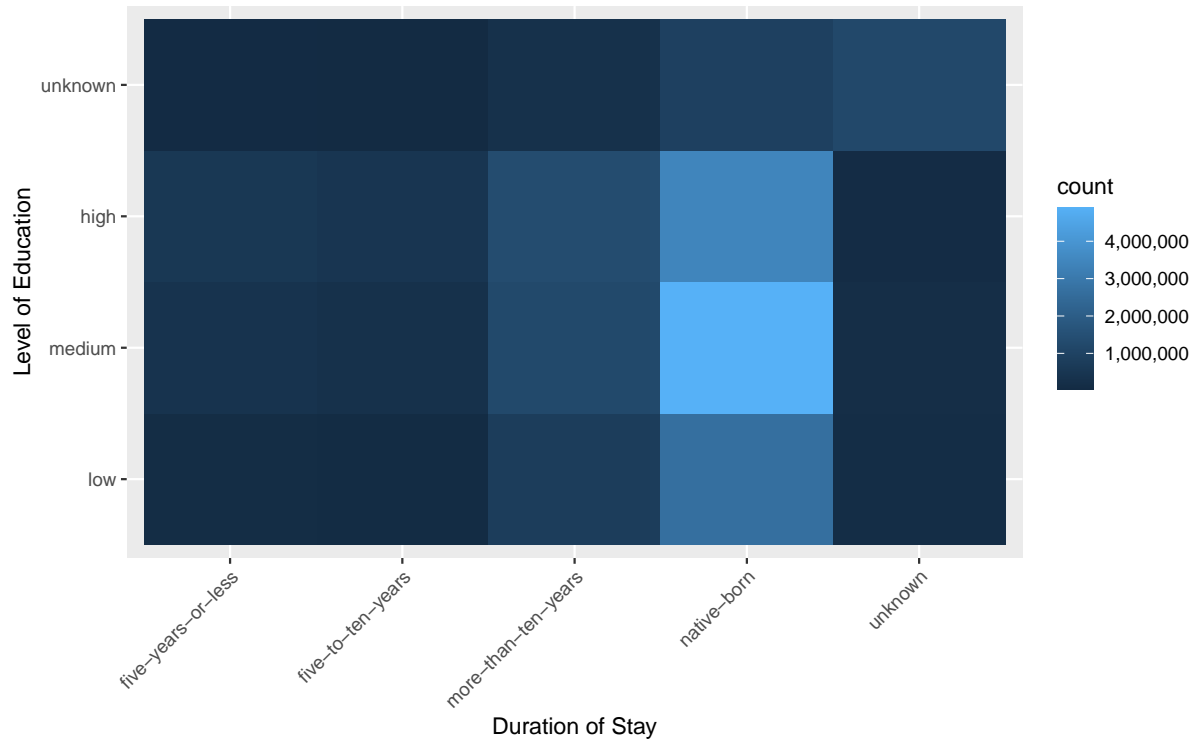
The dataset provides information on the education levels of Australian residents and their duration of stay within the country.

The residents of Australia have been categorized based on their duration of stay within the country as; - native born - less than 5 years - between 5 - 10 years - more than 10 years - unknown The level of education has been categorized using a broad three-category classification as - low - medium - high - unknown

```
#filter AUS residents
aus_b1 <- fileb1cleaned %>% filter(country == "AUS") %>%

  group_by(dos_lfs,edu_lfs) %>%

  summarise(count = sum(number))
```

```
aus_b1 %>% ggplot(aes(x = dos_lfs,

                      y = edu_lfs)) +

  geom_tile(aes(fill = count)) +

  labs(x = "Duration of Stay",

       y = "Level of Education") +

  theme(axis.text.x = element_text(angle = 45, hjust = 1)) +
```

```
scale_x_discrete(limits = c("five-years-or-less", "five-to-ten-years", "more-than-ten-years",

scale_y_discrete(limits = c("low", "medium", "high", "unknown")) +

scale_fill_continuous(labels=comma)
```


References

Hawthorne, L (2010). How valuable is "two-step migration"? Labor market outcomes for international student migrants to Australia. *Asian and Pacific Migration Journal* **19**(1), 5–36.