

# Estimate your chances to get a PR in Canada and choose the most effective strategy

## ▼ The Problem area

- Immigrants to Canada struggle to understand their chances to get PR
- They struggle to choose the criteria that leads to a PR in an appropriate terms.
- There are lots of programs a newcomer can apply to get a PR so people struggle to choose the most suitable program

## ▼ Challenges and opportunities

- My project can reduce time for understanding newcomers chances to get PR
- Choose the best strategy to get a PR
- Prioritize newcomers efforts
- Can we predict if person receive PR or not by entering a certain criteria?
- Based on Government historical data for the last 10 years of receiving PR can we predict if a newcomer likely get PR or not.

## ▼ The User

- Thousands of newcomers benefit from knowing their chances of receiving PR in Canada.
- Some of them can also reject the idea of receiving a PR in a certain place and save money and time moving to another province or leaving Canada

## ▼ The Big Idea

- How can we use machine learning to predict the likelihood of newcomers obtaining permanent residency (PR) in Canada, so we can more effectively support them in achieving their PR goals?

## ▼ Machine learning can estimate the probability of receiving a PR onto given personal criterias.

It might be Numerical prediction and Categorical predictions.

Next is Point Forecast if enough data and time for capstone project.

## ▼ input

- Personal criteria

#### ▼ output

- Probability to receive a PR by entered criteria
- ▼ Best strategy
  - most suitable province
  - most suitable program
  - better to reconsider ability to stay in Canada

#### ▼ The Alternative

- Predictions on Gross Domestic Product (GDP) per capita for a given country based onto historical data of its macroeconomical values

#### ▼ The Data

- ▼ Historical data on PR for 10 years IRCC Canada Open Data.

CSV and EXLX formats. Some of the data sets contain more that 100 000 rows.

<https://open.canada.ca/data/en/dataset/f7e5498e-0ad8-4417-85c9-9b8aff9b9eda>

- Gender
- Country of Origin
- Age
- Country of birth

#### ▼ date

- year
- quoter
- month

▶ province 13

▶ PR program 21

- I can also make a specific requests to IRCC Canada by the link.

I need some additional criteria like:

- language level;
- working experience;
- education;
- etc

<https://www.canada.ca/en/treasury-board-secretariat/services/access-information-privacy/access-information/request-information/make-request.html>

## ▼ The Impact

- We can save Canada government money of reducing number of irrelevant PR cases.
- Increase the efficiency of PR decisions
- Reduce number of employees in IRCC
- Reduce of non relevant newcomers per province thus less self-serve expenses from Canada government

## ▼ Core idea

- Newcomer wants to estimate his chances to receive a PR twice: general score, the best strategy.