

Capstone Project: Immigrant Income

ABSTRACT
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Analysis of Income of immigrants to Ontario

Using predictive analytics on the income of immigrants to Ontario by sex, landing age, immigrant admission category & family status to determine trend and pattern. The analysis is to determine if there is a correlation between the Admission category, Family Status, sex and age with income. To be able to predict what category of yields highest income. The data set is published by Statistics Canada. The data is packaged in a CSV file. The data can be converted to a cube with 8 dimensions. The quantitative data is under Value and is classified by categorical data found under Statistics. Python is used to explore the data in and for Outlier detection and then time-series analysis is performed to see the rate of income growth year over year. Ideally, this data can be used to train a model to predict the best category to immigrate to Ontario and the potential income based on the user profile.

Data Set: https://open.canada.ca/data/en/dataset/5188f496-c3d2-4de3-81ce-7dab73c865de

Example of Dataset:

