# Analysis of Immigration and Emigration in Ireland for the Period \_\_\_\_ - 2023.

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Github link:

In general, use a 12-point Times New Roman font, or other Roman font with serifs.

The title (Arial 14-point bold) runs across the full width of the page and is centred. Authors' names (Arial 12 point not-bold) and affiliations (Arial 12-point not-bold) are entered into the table at the top. We also recommend you add your postal address and e-mail address using the same style as for authors.

Acronyms

|  |  |
| --- | --- |
| CSO | Central Statistics Office |
| EDA | Exploratory Data Analysis |
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# **Abstract**

Every submission should begin with an abstract of about 100 words in the normal text style but italicized. The abstract should be a concise statement of the problem, approach, findings, and conclusions of the work described.

## 2. Introduction

## Sections

Breaking your report into sections can make it much easier to read. Main sections (Introduction, Materials and Methods, Results and Discussion/Conclusions should generally be in Arial 12-point bold title-case or follow specific instructions given with your real assignments.The use of screen shots or diagrams to enhance your explanations is encouraged.

### Subsections

Arial 12-point title-case.

#### Sub-subsection headings

Arial 12-point italic.

### 2.1 Central Statistics Office

The purpose of the Central Statistics Office (CSO) is to collect, analyse and make available statistics about Ireland’s people and society, across w range of areas including construction, health, welfare, the environment and economy. maintain a record of population stocks and migration flows on an annual basis.

Could possibly expand a bit more on the CSO? [Who We Are - CSO - Central Statistics Office](https://www.cso.ie/en/aboutus/whoweare/)

### 2.2 Migration to and from Ireland

With a particular interest arising from the volume of young people emigrating, this analysis focuses on the migration to and from Ireland. The population migration flows are collected from mid-April over a 12-month period (REF CSO1). The CSO have a

Ref news articles citing increased

### 2.3 Third heading

## 3. Methodology

### 3.1 Dataset

Data was obtained from the CSO (Ref website?) and a dataset containing information on the migration count to and from Ireland for the period 1987 to 2023 was selected for this analysis. This dataset contains information on the total migration split by sex for each country of origin or destination country.

3.2 Exploratory Data Analysis

A standard method for Exploratory Data Analysis was followed.

Univariate Analysis:

Not interested in univariate analysis, except for histogram of total\_migration to communicate visually information about minimum and maximum values, central location, and spread, as well as skew. Not interested in looking closer at the other variables, as they have the same number of values in it, so there’s no useful information to be extracted.

Bivariate anlaysis

Machine learning

If I use linear regression, ref that Stanford book

4. Results and Discussion

Noticed 2007 was the year for the highest immigration – could discuss?>

[Article: Ireland: From Rapid Immigration to Recession | migrationpolicy.org](https://www.migrationpolicy.org/article/ireland-rapid-immigration-recession)

[Population And Migration Estimates, April 2007, Foreign Nationals: PPSN Allocations And Employment, 2002-2006 - CSO - Central Statistics Office](https://www.cso.ie/en/csolatestnews/pressreleases/2007pressreleases/populationandmigrationestimatesapril2007foreignnationalsppsnallocationsandemployment2002-2006/)

[WP69\_The\_changing\_face\_of\_Irish\_migration\_2000\_2012\_0.pdf (maynoothuniversity.ie)](https://www.maynoothuniversity.ie/sites/default/files/assets/document/WP69_The_changing_face_of_Irish_migration_2000_2012_0.pdf)

## References

CSO1 [Population and Migration Estimates - CSO - Central Statistics Office](https://www.cso.ie/en/methods/surveybackgroundnotes/populationandmigrationestimates/) [Accessed 30-10-23]