# Data-Driven Communication: Leveraging Generative AI Tools for Strategic Impact

# Bootcamp dataset metadata

# Entradas de extranjeros a Colombia - Estadísticas Nacionales

# Overview

This dataset records detailed data on foreigners entering Colombia. It includes gender and nationality breakdowns since 2012, providing a quantitative foundation for analyzing migration trends in Colombia. The data can be used as a baseline to understand the volume, nationality distribution, and gender of migrants entering Colombia.

The dataset is provided by *Migración Colombia* through the Colombian Government's Open Data Portal. *Migración Colombia* is the government agency responsible for managing and regulating migration in the country. Its main functions include controlling and facilitating the entry, stay, and exit of foreigners in Colombia, as well as registering and monitoring Colombian citizens who travel abroad. The institution also maintains a public Tableau repository for data-related exploration as a reference [1].

# Data Structure

* **Rows**: 135,000 entries
* **Columns**: 9 fields
* **Period Covered**: 2012 - August 30, 2023
* **Frequency of Updates**: Semiannual
* **Geographic Coverage**: National (Colombia)

## Column Descriptions

Each row in the dataset represents the monthly entries of foreigners to Colombia by nationality and gender.

| Column | Description | Data Type |
| --- | --- | --- |
| Year | Year of entry registration. | Text |
| Mes | Month of entry registration. | Text |
| Nationality | Country of origin of the foreigner entering Colombia. | Text |
| ISO 3166 Code | International country code as per ISO 3166 standard. | Number |
| Female | Number of female foreigners by nationality, month, and year. | Number |
| Masculine | Number of male foreigners by nationality, month, and year. | Number |
| Indefinite | Number of foreigners with undefined gender by nationality, month, and year. | Number |
| Total | Total number of foreigners, inclusive of male, female, and indefinite gender categories. | Number |
| Latitude - Longitude | Geospatial location data (latitude and longitude). | Text |

# Context Information

The migration data is particularly relevant to understand the challenges and trends surrounding migration in **Antioquia**, where:

* **Migration through the Darien Gap** presents humanitarian challenges as a major transit route.
  + *Reference Video*: [Darien Gap on YouTube](https://www.youtube.com/watch?v=sXMdkrScHf0)
* **Gentrification in Medellín** impacts the city’s capacity and response to migration.
  + *Reference Article*: [Gentrification in Medellín - The World](https://theworld.org/stories/2024/01/04/medell-n-was-one-world-s-most-dangerous-cities-now-its-trying-grapple-influx)

# This dataset contains 13,334 entries for the migration point of Medellín and 3,518 entries for the points in Apartadó and Darién, valid as of August 2023. For the national system registration, data for the Antioquia department is recorded under code 05, with Medellín represented by 05001.

# Additional Data Resources

To expand analyses based on this dataset, the following data sources may be helpful:

1. **National Statistics Department [2]**: Socioeconomic, demographic, and employment data, offering insights into population dynamics.
2. **Geospatial Information [3][4]**: Provides layered maps and spatial analytics useful for identifying migrant entry points, patterns, and geographic distribution. Open geometry data access [5].
3. **Other datasets provided by the Open Data Portal of Colombian Government [6].**

# Licensing and Attribution

* **License**: Creative commons according to the Colombian open data portal
* **Source Link**: [Migración Colombia](https://www.migracioncolombia.gov.co/)

# Data Download and Accessibility

* **Download Link**: [Entradas de extranjeros a Colombia - Data Preview](https://www.datos.gov.co/Estad-sticas-Nacionales/Entradas-de-extranjeros-a-Colombia/96sh-4v8d/data_preview) - The data can be accessed and exported from this link.

# References

[1] https://public.tableau.com/app/profile/migraci.n.colombia/vizzes#!/

[2] https://microdatos.dane.gov.co/index.php/catalog/central

[3] https://geoportal.dane.gov.co

[4] https://www.colombiaenmapas.gov.co/

[5] https://download.geofabrik.de/south-america/colombia.html

[6] https://www.datos.gov.co/browse?q=Antioquia%20Medellin&sortBy=relevance