

# CRIME

*noun*

*an action or omission which constitutes an offence and is punishable by law.*

&

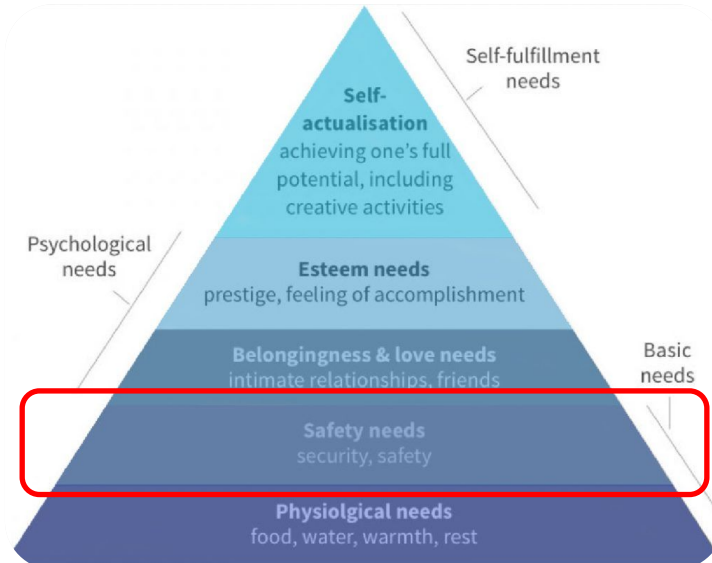
# SAFETY

*noun*

*the condition of being protected from or unlikely to cause danger, risk, or injury.*

# Elevator Pitch

Basic need **unfulfilled** for many people



Maslow's hierarchy of needs - Photo under the license of [CC BY-SA-NC](#)

8/10 people worry a great deal (53%) or a fair amount (27%) about **crime** and **violence** in the U.S.

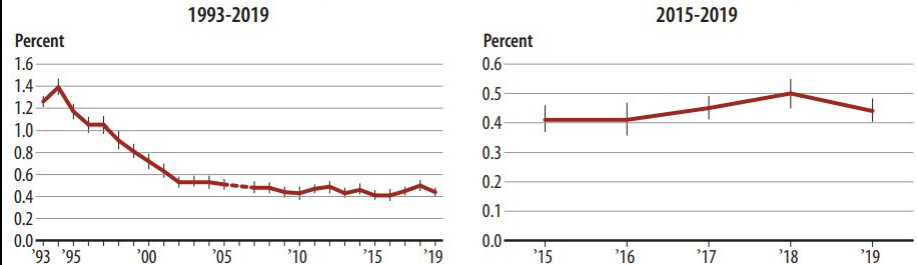
- [Gallup. \(2022, April 7\).](#)

50% women felt **unsafe** walking alone after dark in a quiet street near their home, compared to one in seven men.

- [End Violence Against Women. \(2021, August 25\).](#)

**FIGURE 1**

Percent of U.S. residents age 12 or older who were victims of violent crime excluding simple assault



Note: Estimates include 95% confidence intervals. See table 18 for definitions and appendix table 1 for estimates and standard errors. Estimates for 2006 should not be compared to other years and are excluded from the 1993-2019 figure.

Source: Bureau of Justice Statistics, National Crime Victimization Survey, 1993-2019.



# What?

---

# For whom?

- **Spanish** crime data
  - Divided into **provinces**
  - History in the past years
- 
- Young graduates
  - Thinking about moving to Spain

# Motivation

1. When looking for a new place to live, safety is a crucial aspect
2. However, usually disregarded
3. Information about crimes can be hard to find, and to interpret
4. Therefore, we want to set a tool that enable users to take better informed decisions

# Research Questions

- How has Spanish crime evolved over time?

- How crime is different for different categories and provinces?

**Which is the safest Spanish province with respect to some user defined preferences?**

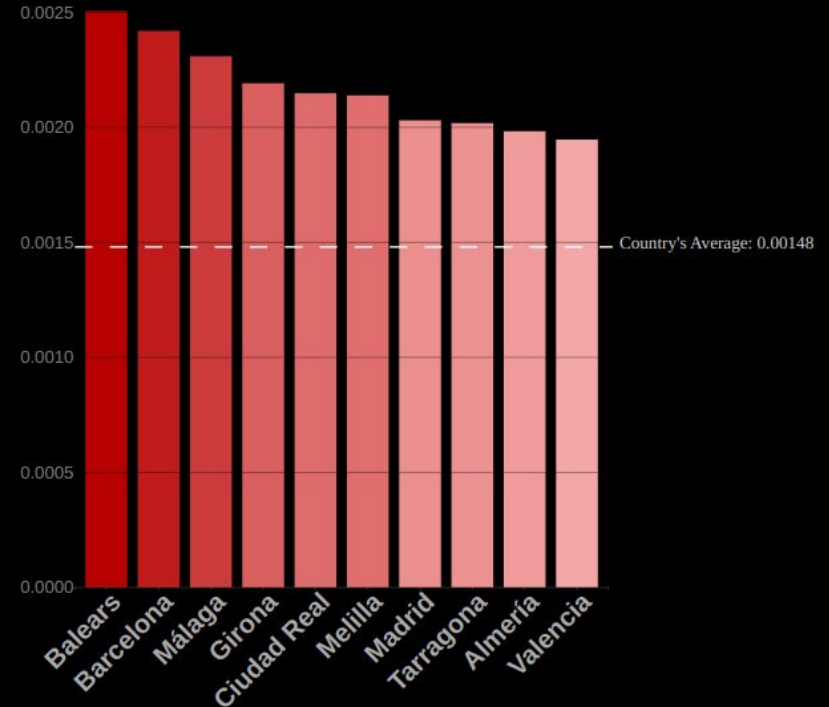
# Data Sources

1. Spanish National Statistical Institute (INE):
  - a. [Crime data](#)
  - b. [Population statistics](#)
  - c. [GDP evolution per province](#)
  - d. [Data about universities per province](#)
2. Newtral (Spanish Verification Agency):
  - a. [Spanish police data](#)
3. OECD:
  - a. [Security data](#)
  - b. [How is life in Spain?](#)
4. World population review:
  - a. [Most peaceful countries](#)
5. Numbeo:
  - a. [Crime Index in different European cities](#)

DEMO

# Lessons learnt

Provinces with Highest Crime per Capita [2010-2022]

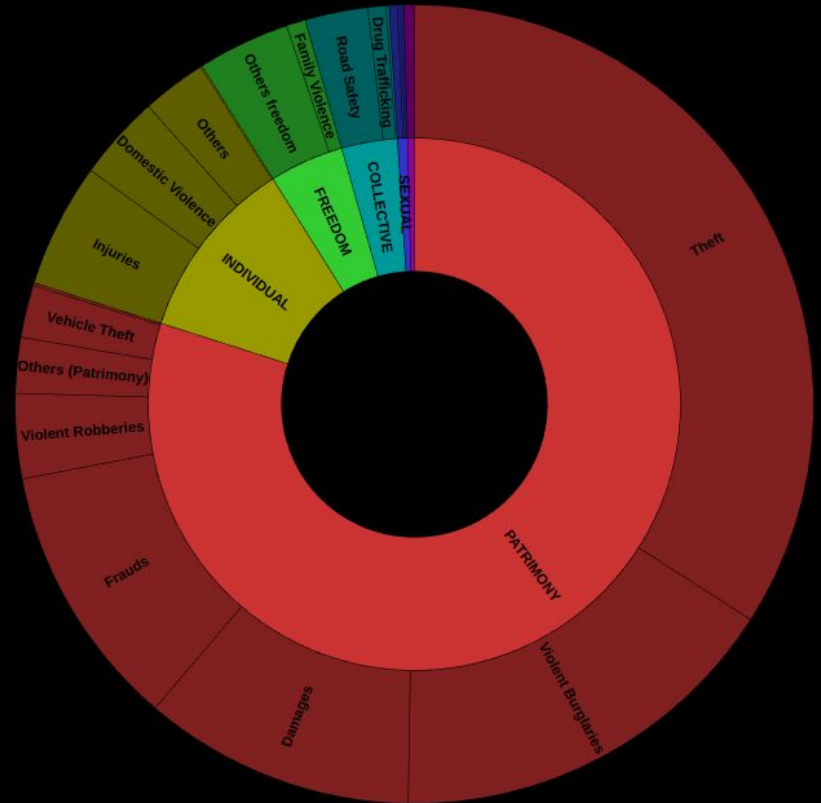


1. Bigger, touristic provinces are more prone to crime



# Lessons learnt

Crimes per Type [2010-2022]



2. The most common crimes are those related to patrimony (theft, burglaries,...)

# Lessons learnt

In 2022,

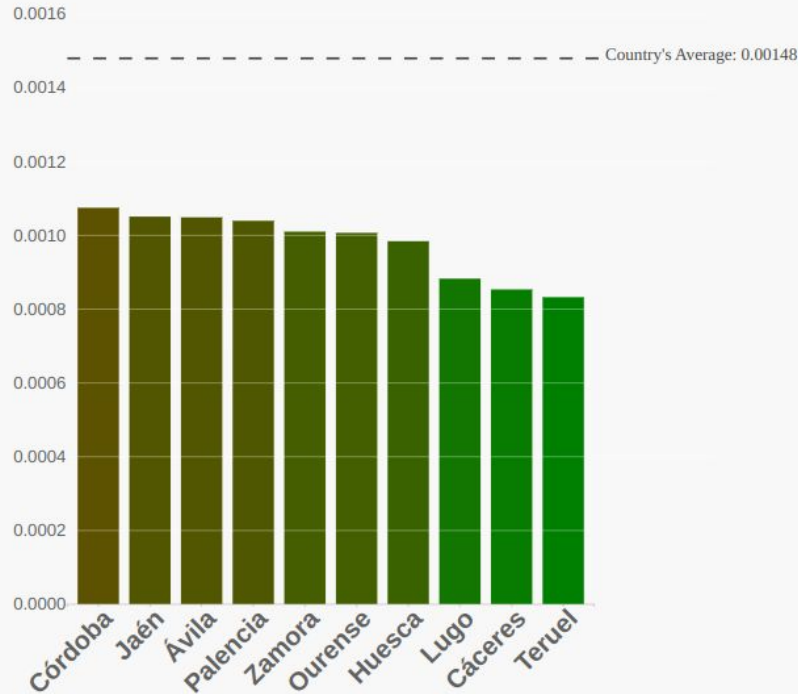
**90%**

of people ended the year without facing any crime

3. In Spain, it is unlikely that you will be involved in a criminal situation

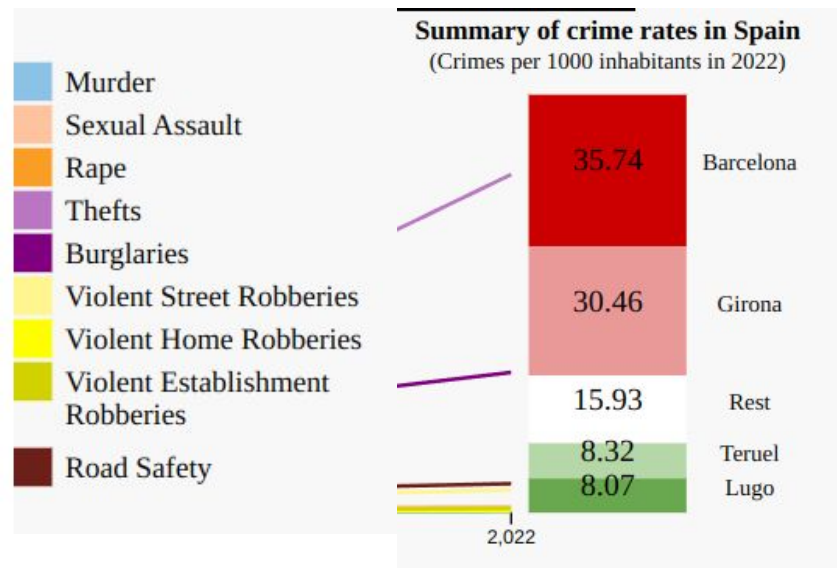
# Lessons learnt

**Top 10 Provinces with Lowest Crime per Capita [2010-2022]**



3. There are many provinces with really low crime rates (the combined crimes of these 10 provinces during 2022 account to less crimes than those committed in Madrid)

# Lessons learnt



4. When we focus on crimes that are dangerous to the individual:
- **Barcelona** is most dangerous province
  - **Lugo** is the safest province

# Limitations

1. Crime data is a bit poor: we simply have access to the quantities per category, province and year
2. Safety perception: we wanted to explore this, but the only study we could find was from 2013, and quite poor
3. More contextual data about provinces could be an interesting addition, but it's hard to show so much information at the same time