# Francisco Rodríguez-Cabrera, MD MPH

**Medical Degree**
University of Las Palmas de Gran Canaria

**National Medical Exam (MIR)**
562nd out of more than 15,000 physicians.
3rd in the previous decade to choose Public Health.

Specialty training in
**Public Health**
Spanish National Center of Epidemiology
May 2016 – May 2020

**Methodology Support.** Madrid Health Service.
Supervisor: Isabel del Cura, PhD

1. Methodology Assessment of research projects within the Madrid central healthcare committee.
2. Data wrangling of large datasets, including the national prescription (BIFAP) and Primary Care databases. Problem: *does UTI diagnosis have changed over the last 2 decades in Spain?*

**Research.** National School of Public Health.
Supervisor: Antonio Sarría-Santamera, PhD

Record-linkage and time-series analysis of the Hospitalization Minimum Data Set and mortality registers, as well as the Spanish National Health Survey data. Problem: *May healthcare residents' takeover have an impact on in-hospital mortality?*

**Visiting Fellow**. Harvard University
Supervisor: Mercè Crosas, PhD.
I was involved in data analysis and real-time visualization using Dataverse repository data, mostly with python and d3.js, as well as the impact of data breaches on US healthcare organizations.

**Public Health Reports.** Madrid Health Service.
Supervisor: Maria Felicitas Dominguez, PhD
Designing a population-based registry of congenital anomalies in Madrid. We developed a historic cohort using all the electronic health records that were able at the Department (8 in total, highlighting abortion notifications, both primary care and hospital medical records and funeral homes' data). Probabilistic record-linkage provided information for 98% of Madrid population that were born in 2017 and 2018.

Problem*:* Before the COVID-19 outbreak, *we wondered whether deprivation index had influence on survival of infants with congenital anomalies.*

**Epidemiologist**. National Center of Epidemiology.
Supervisor: Rosa Cano, PhD

1. First stage (2018): Data analysis of notifiable diseases reported within the Spanish notification system. In particular, I was coauthor of the Spanish National Tuberculosis 2016 situation report.
2. Second stage (currently). Involved in the design and analysis coding of the National COVID-19 Seroprevalence Study, developed by the Center.

**Other stuff**

**Teaching assistant** at the National School of Public Health (2018-currently).
I teach online the modules of *Epidemiology*, *Outbreaks Investigation* and *Observational studies in Public Health*, all three MPH modules.

**Specialization in GIS cloud** tools. University of Girona, 2017.

**National finalist** at the biggest Data Science contest in Spain (Universityhack datathon 2018, Data visualization challenge)

**DATA PORTFOLIO**

- Analysis: "Native" in Stata. Python and R user. You may find some example codes on data curation, record-linkages (both deterministic and probabilistic) and analysis here. I also maintain a Stata COVID-19 repository of common epi figures in GitHub.
- Visualization: Tableau, Microsoft PowerBI.
- Management: Oracle Database SQL
- Mapping: QGIS and SaTSCan.
- Microsoft Office Pack.

**PROFILES**

- LinkedIn
- Twitter