Ana Cristina Gómez Ugarte Valerio

Rostock, Germany

Mobile phone: 01523 1629266 e-mail: anacristinaguv@gmail.com

Interests

I am passionate about demography and its intersection with the evaluation of public policy using statistical tools.

Personal information

Date of birth: March 8th 1993 Age: 29

Marital status: Domestic partnership CURP: GOVA930308MDFMLN05

Education

<u>Master's in Demography</u> Start date: August 2018

End date: June 2020

Institution: El Colegio de México

Thesis name: "Demographic analysis of inequality in Mortality in Mexico 1990-2018".

The main objective of the thesis was to analyse lifespan inequality in Mexico between population subgroups segmented by socioeconomic position using three different variables: educational attainment, occupation, and access to social security institutions. This was achieved using decomposition techniques

for life expectancy and lifespan inequality measures.

<u>Specialization in Applied statistics</u>
Start date: August 2017

End date: June 2018

Institution: IIMAS, UNAM

<u>Bachelor's in Actuarial science</u> Start date: August 2011

End date: December 2015

Institution: Universidad Nacional Autónoma de

México (UNAM)

Thesis name: "Analysis and simulation of the Markov-modulated risk model with diffusion".

The analysis consisted of the simulation of the Markov modulated risk model and the evaluation of its

performance to evaluate the risk of an insurance company.

Academic exchange: La Trobe University Start date: March 2015

End date: July 2015

Australia

Work experience

Company: Investigación en Salud y Demografía Start date: June 2020

(INSAD) Consultant Consultant in the area of Surveys and quantitative analysis. We accompany researchers in the development and implementation of surveys, especially in the field of sexual and reproductive health. We also conduct quantitative and qualitative research for NGOs and public institutions in topics related to health, violence and education. We've worked with institutions such as UNICEF and CONEVAL.

Company: Tecnológico de Monterrey, Santa Fe Start date: August 2020

High school professor

Calculus and mathematics high school professor (classes taught in English)

Company: Ibia S.A. de C.V. Start date: August 2019

End date: July 2020

Trainee on data analysis

Support in research activities on health information and analysis of information of the pharmaceutical

market.

Company: Tecnológico de Monterrey, Santa Fe Start date: August 2017

End date: July 2018

High school professor

Calculus and mathematics high school professor (classes taught in English)

Company: ARI S.A. de C.V. Start date: April 2016

End date: April 2017

Consultant

Process mapping: gathering of information, interviews with clients, identification of opportunity areas for improving processes, operational and organizational diagnosis, and creation of action plans for the implementation of processes improvements.

Business Intelligence projects: Processing and analysis of data, creation of algorithms to transform data into business indicators, exploratory data analysis, and development, design, and visualization of graphics.

Company: CONSAR Start date: September 2015

End date: March 2016

Social Service

Predictive analysis on the information shown by a performance index. Validation of the information on the data bases. Creating user manuals and follow up reports.

Research projects

Company: Instituto Nacional de Geriatría (National Start date: March 2021

Institute of Geriatrics) Associate researcher

Researcher in the project named: "Strategic information system in health, functional dependency and ageing", which consists of an online platform with indicators and relevant information about the situation of the health system and ageing in Mexico. Specifically, I contribute with research on the topics related to the system, the development of the list of indicators to be included, the evaluation of the available data sources, data cleaning and processing, the estimation of the indicators and the elaboration of their corresponding methodological papers.

Company: Population Council Mexico Start date: December 2021

End date: February 2022

I worked as an external consultant in a project about population projections. I contributed with the estimation of mortality, fertility and migration rates from vital statistics, censuses and national surveys.

Scholarly publications

None

Skills

R: Advanced

• Stata: Intermediate

• Software Office: Advanced

Data bases with SQL: Intermediate

Languages

• English: Advanced (CPE Cambridge, TOEFL IBT: 107)