

# CATALINA ESPINOZA

## PROFESSIONAL EXPERIENCE

August  
2017-  
today

### Survey Methodologist

Subdepartment of Frame and Sampling Design, National Institute of Statistics.

📍 Santiago, Chile

- Research about international standards and recommendations for survey design.
- Compute sampling size depending on different features and settings.
- Compute sampling weights applying adjustments and non-response models.
- Compute estimations, variance and survey errors with complex surveys.

January  
|  
March  
2017

### Quantitative Analyst

DESUC: Department of Social Studies, UC Chile.

📍 Santiago, Chile

- Data wrangling and quantitative analysis.
- Writing reports about working environment for CODELCO Chile



## EDUCATION

March  
2012  
|  
December  
2016

### Bachelor of Arts in Sociology

Institute of Sociology, Pontificia Universidad Católica de Chile (UC Chile)

📍 Santiago, Chile

10-semester program



## TRAINING COURSES

November  
2021

### SQL Server Intermediate

National Institute of Statistics

📍 Santiago, Chile

September  
|  
October  
2019

### Data Mining and Introduction to Deep Learning

Pontificia Universidad Católica de Chile

📍 Santiago, Chile

September  
|  
October  
2019

### Introduction to R Language

National Institute of Statistics

📍 Santiago, Chile

May  
2018

### SAS Programming High-Intermediate

National Institute of Statistics

📍 Santiago, Chile

## CONTACT INFO

✉ [cespinozaquijada@gmail.com](mailto:cespinozaquijada@gmail.com)

🐙 [github.com/CatitaR](https://github.com/CatitaR)

For more information, please  
contact me via email.

## SKILLS

Experienced in survey design,  
compute of sample size, compute  
of sampling weights.

Experienced in compute  
estimations, variance and sampling  
errors with complex surveys.

Knowledge about evaluation of  
statistical quality, non-response  
models, panel surveys.

Highly skilled in R, SAS.

Languages: Spanish (native),  
English (High-intermediate).

## RESEARCH EXPERIENCE

- April  
|  
June  
2017
- **Research assistant**  
SUMMA Chile: Research and Innovation Laboratory for Education in Latin America and the Caribbean.  
📍 Santiago, Chile
    - Data wrangling and quantitative analysis.
    - Writing a report about work and educational trajectories of Chilean students.
- July  
|  
December  
2016
- **Research Assistant**  
Department of Studies Justice and Society, UC Chile.  
📍 Santiago, Chile
    - Data wrangling and quantitative analysis.
    - Writing reports about crime, violence, consumption of drugs and social reintegration for different non-profit organizations and government agencies.
- July  
|  
August  
2016
- **Undergraduate Research Assistant**  
Faculty of Education, UC Chile  
📍 Santiago, Chile
    - Data wrangling and quantitative analysis of a panel study.
    - Research: “¿How family and Preschool can affect early literacy in low-SES children from prekindergarten to fourth year of elementary school?”.  
Main researcher: Susana Mendive.

## TEACHING EXPERIENCE

- 2021
- **Introduction to R Language and computational reproducibility.**  
Instructor of R at National Institute of Statistics. 📍 Santiago, Chile
- 2016
- **Statistics I.**  
Teaching assistant of Statistics course at Universidad Finis Terrae  
📍 Santiago, Chile
- 2015
- **Data Analysis.**  
Teaching assistant of Data Analysis I & II courses at UC Chile  
📍 Santiago, Chile
- 2013-  
2014
- **Sociological Paradigms.**  
Teaching assistant of Sociological Paradigms course at UC Chile  
📍 Santiago, Chile

## EXTRA-CURRICULAR ACTIVITIES

- July 2020  
|  
today
- **Work environmental consultant.**  
Subdepartment of Frame and Sampling Design, National Institute of Statistics.  
📍 Santiago, Chile
    - Responsible for implementing the work environment action plan of National Institute of Statistics.
    - Responsible for identifying problems related to work environment, finding solutions and mediating conflicts.



## RELEVANT REFERENCES



**Denisse López Arenas.**

National Institute of Statistics.

📍 Santiago, Chile

- E-mail: [delopeza@ine.gob.cl](mailto:delopeza@ine.gob.cl)
- Director of Department of Methodologies and Statistical Innovation