## [**Government Advances in Statistical Programming conference, 25-26 June 2025**](https://statmodeling.stat.columbia.edu/2025/02/22/government-advances-in-statistical-programming-conference-25-26-june-2025/)

## **2025 GASP Abstract Submission Form**

Government Advances in Statistical Programming (GASP) 2025

Virtual Conference - 25-26 June 2025 12 - 5 pm ET

## FORM

### Author(s):

Please include first and last names of each author and their organizational affiliation. (e.g., Jane Rao (Big Company), Second Author (Large Agency))

Andrea Gomez Vargas (INDEC Argentina) & Emanuel Ciardullo (INDEC Argentina)

### Corresponding author e-mail\*

### Second email where we can contact you or a coauthor (optional, but really helpful!)

### Primary current position type\*

* + Academic, faculty or staff
  + Academic, student
  + Professional, industry/non-profit
  + Professional, government
  + Otros:

### Presentation Title

* + ARcenso: A Package Born From Chaos, Powered by Community

### Abstract

Your abstract should indicate the topic of your presentation, the target audience, tools and/or processes that you are using; what you expect attendees to learn from your presentation. Please write for a broad audience and spell out acronyms. (Note: Limit 1700 characters)

Historical census data in Argentina is scattered across multiple formats: books, spreadsheets, PDFs, and REDATAM, without a standardized structure. This lack of organization complicates analysis, requiring manual cleansing and integration of records before working with the data. As R users, we recognized an opportunity to transform this chaos into a meaningful solution not only for personal use but for all R users.That is how {arcenso} was born, a way to provide structured, ready-to-use census data, eliminating repetitive pre-processing and allowing users to focus on analysis with harmonized datasets. The goal is to make national census data in Argentina more accessible.

Through the rOpenSci Champions program, the original idea turned into a functional R package. Thanks to the support of the R community, we learned how to structure the package, document datasets, and ensure reproducibility. This journey demonstrated the value of community learning, and those principles are embedded in {arcenso}, making it accessible and user-friendly.

{arcenso} is currently developing and has released its first dataset along with three core functions. However, this is just the beginning. There are more datasets to integrate, additional features to develop, and improvements to be made to enhance the user experience.

In this talk, we will introduce the package for users from both public and private sectors, including academics and researchers facing data challenges. We will explain the framework used for turning problems into solutions, highlight tools and community resources, and try to inspire others to tackle their own data challenges.

### Keywords 5

* + **Package, Community,Workflow, Census, Official statistics**

### Topic area - to help categorize abstracts into sessions\*

* + Tools and techniques
  + Deployment
  + Applications
  + Infrastructure - resources

### Type of Presentation\*

* Regular panel presentation (~12-15 minutes, submissions will be organized into 4-presentation sessions with Q&A at the end)
* Lightning talk (~5-7 minutes, ideal to present a particular application, code, set of visualizations)
* Student lightning talk (~5-7 minutes, present use of government data, brief code demonstration, data visualization, etc.)
* Other (e.g., a panel session, an unconference session, interest group meeting, workshop)

<https://ropensci.org/blog/2024/02/15/champions-program-champions-2024/#andrea-gomez-vargas>

<https://soyandrea.github.io/arcenso/>

<https://github.com/SoyAndrea/arcenso-RenBA>