

Saludos y bienvenidas

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Director Ejecutivo



Instituto de Estadísticas de Puerto Rico
9 de octubre de 2015

EXPO ESTADÍSTICAS

9 de octubre de 2015 | Centro Criollo de Ciencia y Tecnología del Caribe (C3tec)



**Instituto de Estadísticas
de Puerto Rico**

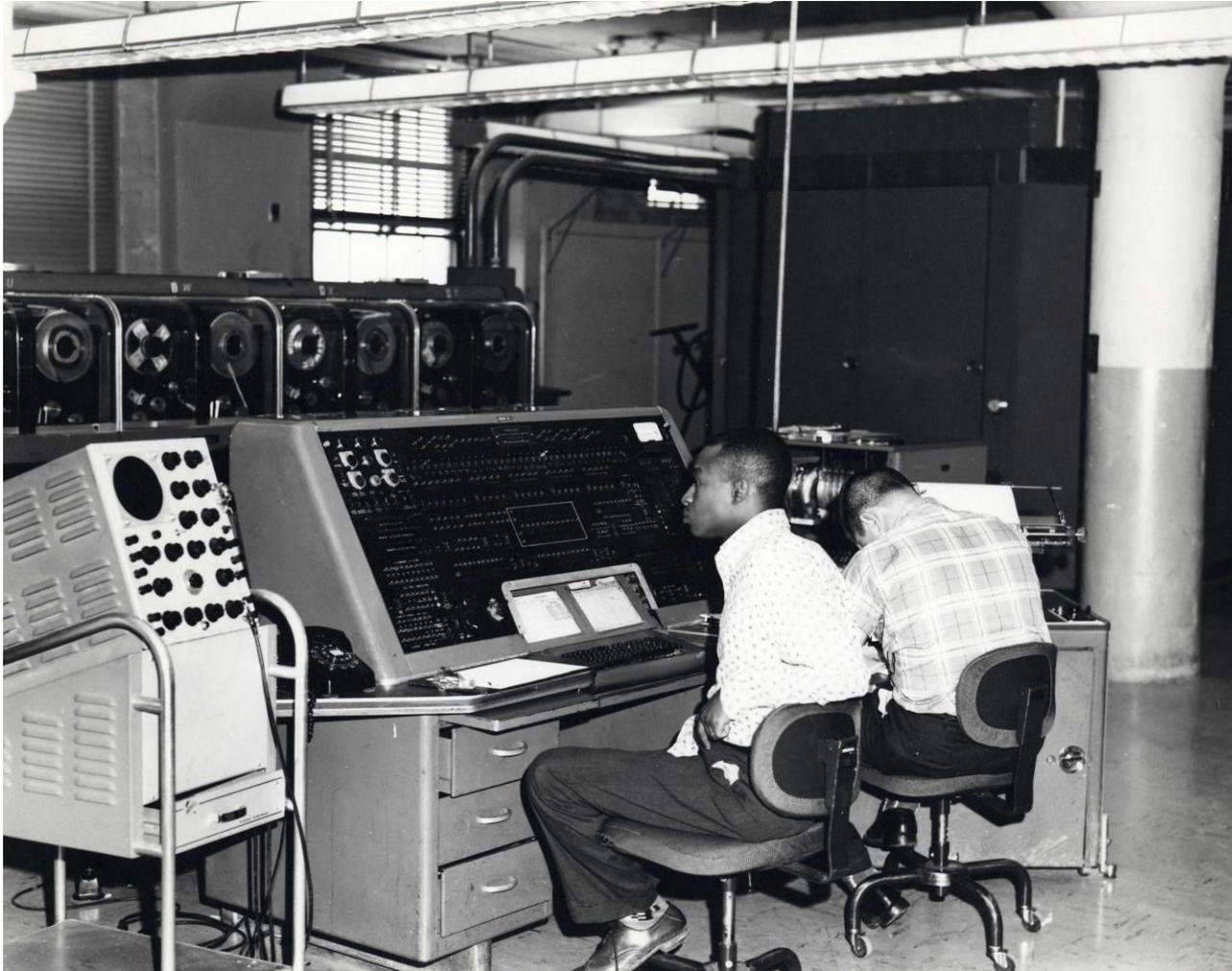
Estado Libre Asociado de Puerto Rico

**DÍA MUNDIAL
DE LA ESTADÍSTICA**

**DATOS MEJORES.
VIDAS MEJORES.**

UNIVAC: first computer for civil use

1950 Census



API.CENSUS.GOV

www.census.gov/developers/

U.S. Department of Commerce



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Access Data with the Census API

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Using the API

[Request a Key Data Sets](#)

Download Data

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Developer Forum

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The Census Bureau API

To improve access to data and encourage innovation, the Census Bureau has begun to provide API access to some data sets. We invite developers to use these APIs, join our Developer Forum, and provide feedback to help us move forward with continued API development.

Please read the [Terms of Service](#) for using the API.

Now available: The Economic Indicators Time Series Database - [see details](#)

The Economic Indicator Database is now available via the API. This database includes statistics, primarily at the national level, for measuring key sectors of the U.S. economy.

Discovery Tool (in Beta)

<http://api.census.gov/data.json>

The machine-readable dataset discovery service is now available in beta release. The <http://api.census.gov/data.json> URI produces a JSON document describing all available datasets. The content of this JSON document is based largely on the Open Project Data Common Core Metadata Schema, and extended to include metadata specific to Census Bureau datasets. The <http://api.census.gov/data.xml> URI may be used to access the same information as XML.

In addition to the above URIs dataset discovery is available for the entire vintage/dataset hierarchy as well. For example, the <http://api.census.gov/data/2010.json> and <http://api.census.gov/data/2010.xml> URIs may be used to discover all datasets within the 2010 vintage.

The [Open Project Data Common Core Metadata Schema](#) documentation is a good starting point for understanding the fields output by the discovery service. We will soon release our own documentation which includes information about Census specific fields.

This is a beta release. We'd like to hear what you think about our new dataset discovery service. Based on your feedback, and the feedback of others, we may make some changes. At some point down the line -- once we're confident that the kinks are worked out -- we'll announce that the discovery API is out of beta.

Volume of information available is growing exponentially

⇒ There is a growing need for organizations to use statisticians and data scientists to make sense of this information in a reliable way to add value to their business model.

“I keep saying the sexy job in the next ten years will be statisticians. People think I’m joking, but who would’ve guessed that computer engineers would’ve been the sexy job of the 1990s?”

Hal Varian, Chief Economist, Google

Employment Projections – Puerto Rico

Department of Labor and Human Resources

⇒ For the first time last year, Statistician was one of the top 10 occupations (that require a professional degree) in terms of its projected growth rate of jobs in the coming decade.

Obstacles to the Statistical/Data Culture in Puerto Rico

Intensity of information flow

Pandemonium:

A state of noisy, confused activity
(Merriam-Webster's Dictionary)

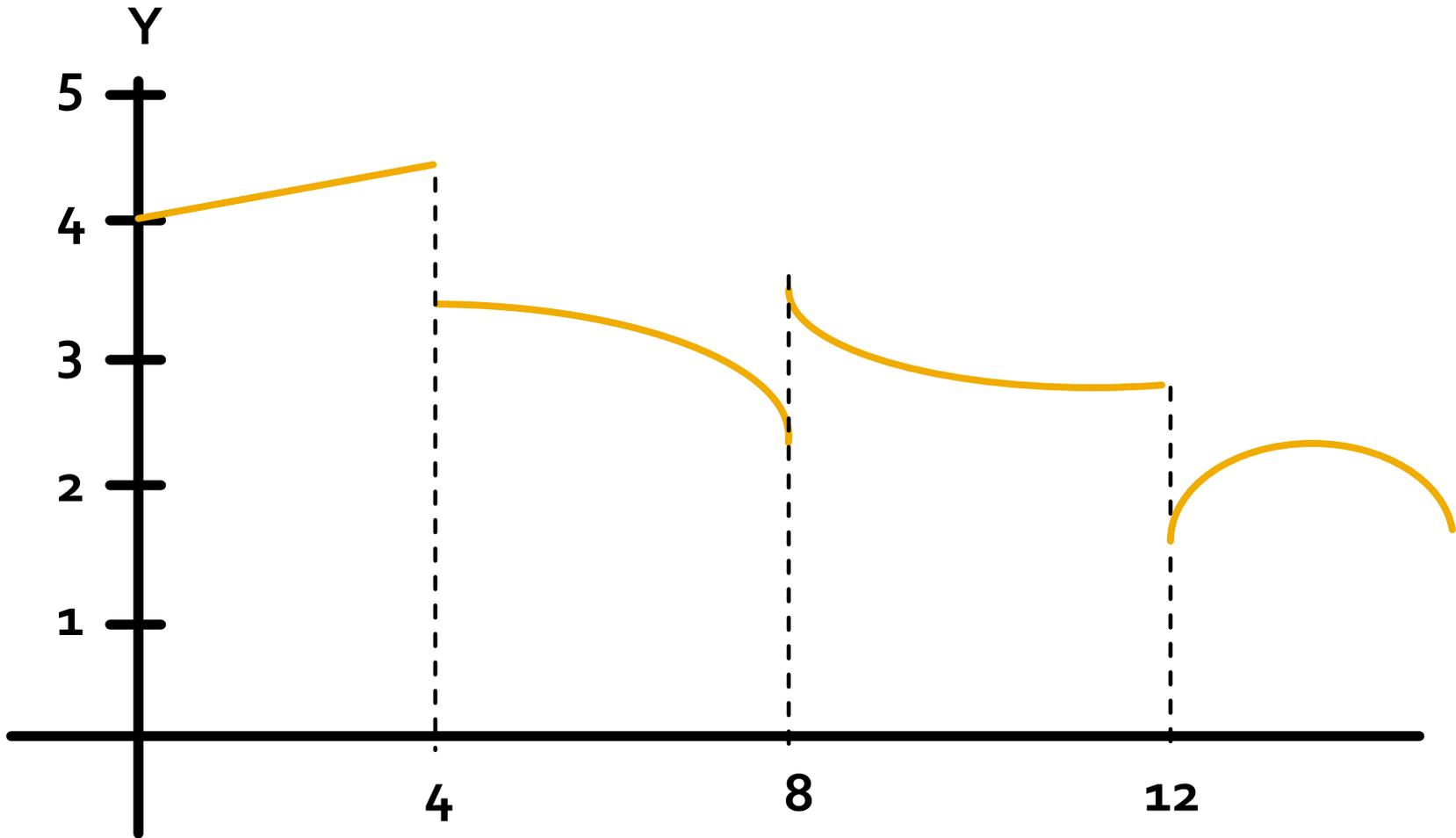
Pandemonio:

Lugar en que hay mucho ruido y confusión.
(Real Academia Española)

Lack of priority given to the technical criteria

- Greater priority given to:
 - Political criteria
 - Ideological criteria
 - Business criteria
 - Amongst others

Discontinuity



Creativity with words

Name on birth certificate in Puerto Rico:

Luz Z. Rivera Vélez

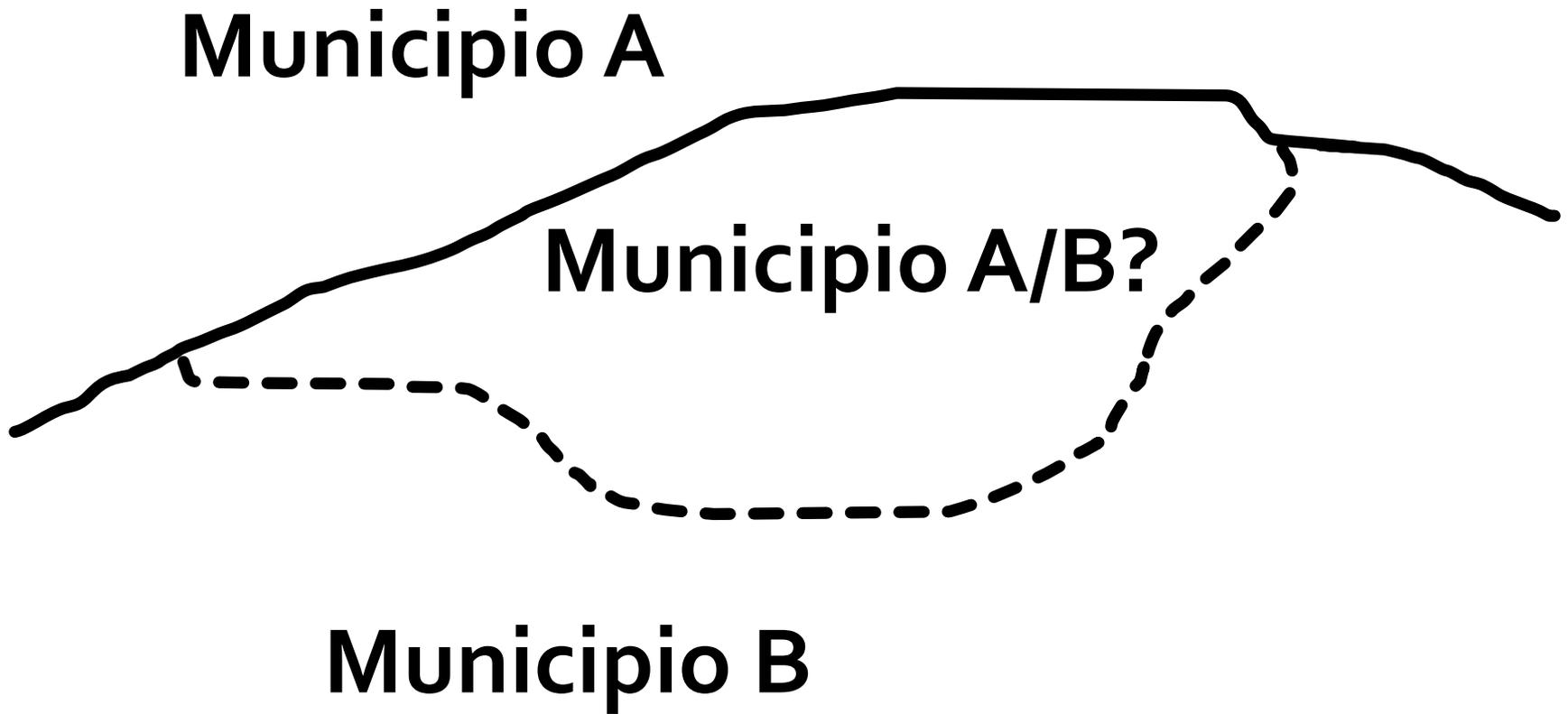
Name on driver's licence in New York:

Luz Rivera

Name on credit card:

Lucy Rivera de Hernández

Creativity with geography



Creativity with time

11/2/2014

0

2/11/2014



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