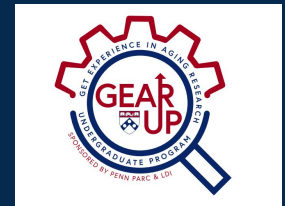


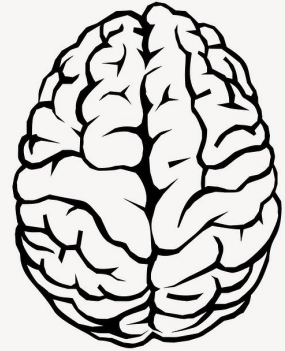


# Health and Cognitive Aging in Latin America

Arturo Bardales



# Cognitive Aging



- Decline in mental functions
  - Memory, decision-making, learning, problem solving
- Alzheimer's and dementia-related diseases

# Chile-cog

- Estimate the **cognitive function** of older chilean adults (60+)
  - Harmonized Cognitive Assessment Protocol (HCAP)
- Estimate its **socioeconomic determinants**
- Collaboration with the Catholic University of Chile
- ~2,000 respondents









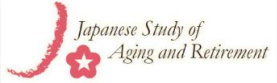
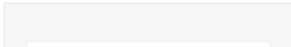
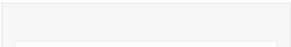
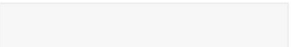
# Chile?

Compared to rest of Latin America...

- Older pop
- More educated
- Higher income
- Different health behaviors



# Harmonized Data

<p>Brazil</p> 	<p>China</p> 	<p>Costa Rica</p> 
<p>England</p> 	<p>Europe</p> 	<p>India</p> 
<p>Indonesia</p> 	<p>Ireland</p> 	<p>Japan</p> 
<p>Korea</p> 	<p>Malaysia</p> 	<p>Mexico</p> 

# Social Protection Survey (SPS)

- Largest and oldest longitudinal panel survey in Chile
- ~16,000 respondents
- Socioeconomic information
  - Employment, social security, education, health, wealth and assets, family history, and housing

# Methods

## 1. Data collection

- a. 2015 SPS
- b. 2019 Chile-cog Survey

## 2. Data Analysis and Modeling

- a. Data coding
- b. Exploratory analysis of sample
- c. Linear regressions

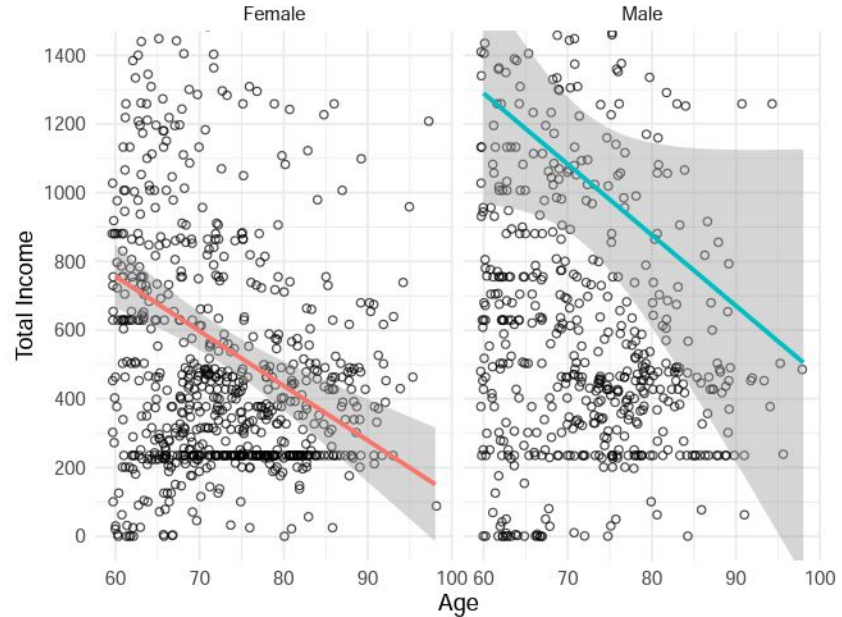
# My Role

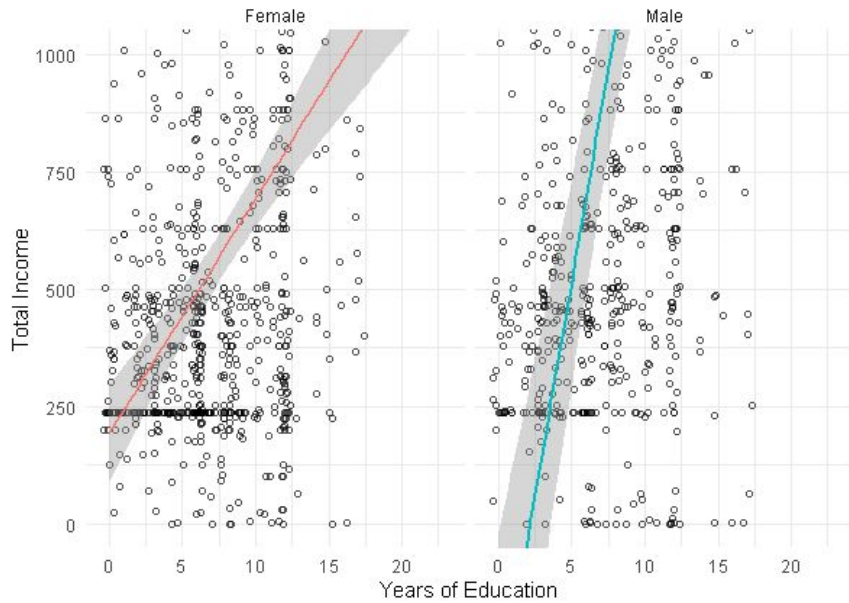
Data analysis, coding and cleaning the economic data



# Sample characteristics - Income

Income vs Age





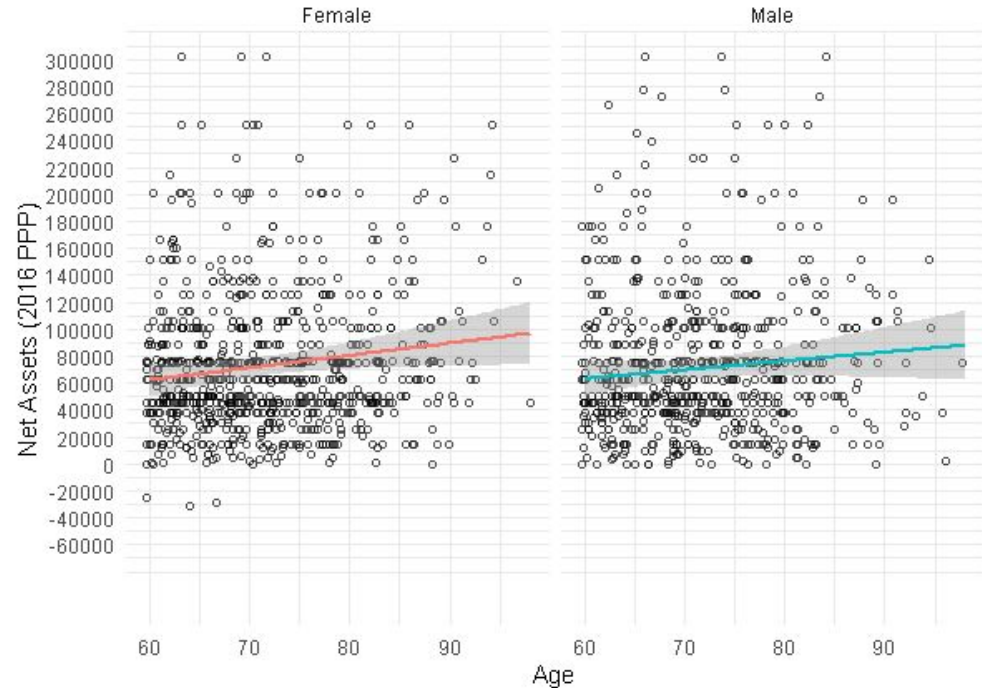
Income vs Education

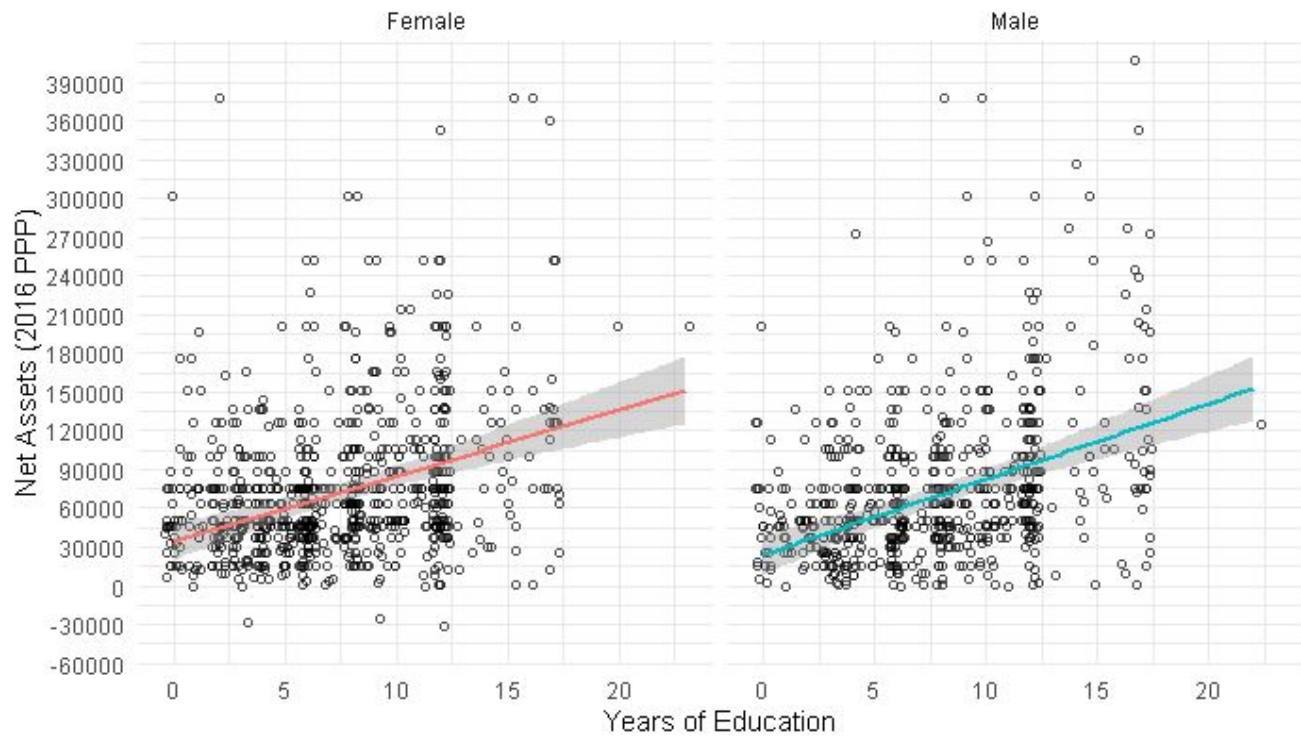
# Sample characteristics - Assets

## Net Assets vs Age

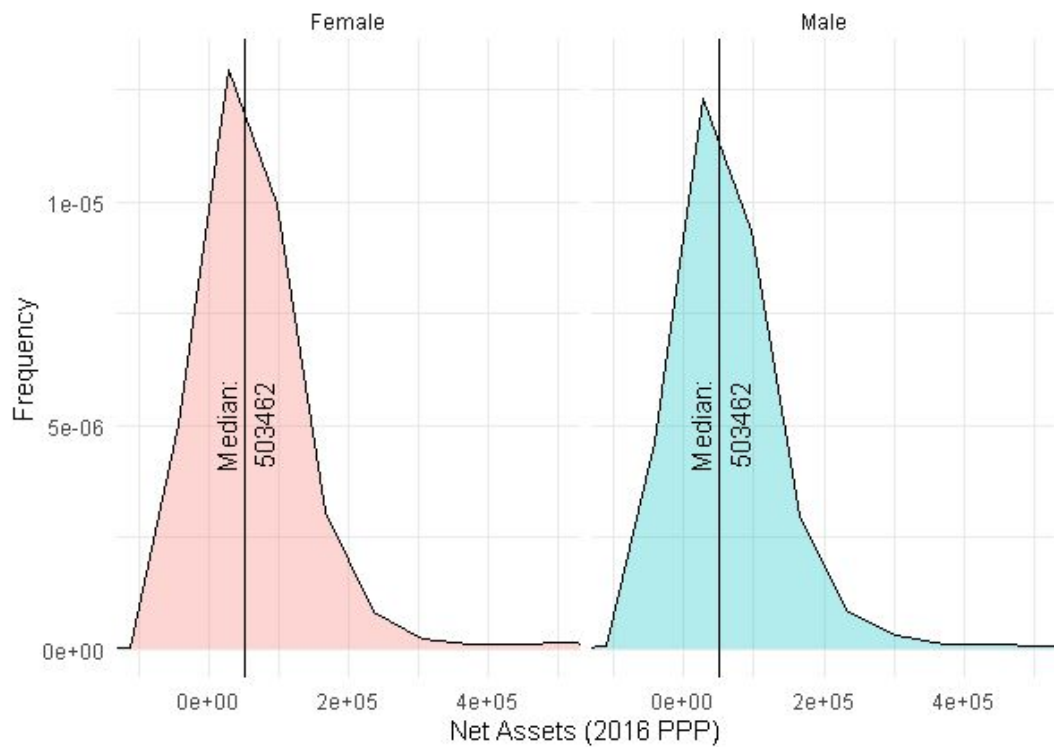
Net Assets:

- House + other properties
- Business





Net Assets vs Education



# Lessons learned

- Assumptions & data are not always pure
- How to communicate data and findings
- I like research

# Thanks to ...

- Dr. Sneha Mani
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