Health and Cognitive Aging in Latin America

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Cognitive Aging

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

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<th>Country</th>
<th>Study Name</th>
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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

Net Assets (2016 PPP) vs Years of Education for Female and Male individuals.
Lessons learned

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

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