

Spanish household income distribution map

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Presentation Overview

- Aim of the project
- Type of project
- Project methodology
- Project website promenade



Aim of the project

Release level and distribution income indicators at a municipality scope as well as its administrative sub-areas

- *Level indicators: mean income by person and household*
- *Distribution indicators: Percentiles of income distribution, Gini coefficients, S80/S20*
- *Key demographic information of every level of territory in order to characterize it*



Type of project

- Currently is an experimental project
- Scopes: Annual demographic and fiscal data for resident people in Spain living in households
- Will be part of the 2021 Population and Housing Census data
- From 2022 onwards will be published annually as official figures



Project Methodology (I)

Project outcome results basically by linking a population register and an annual tax register

- Population register is derived annually from administrative registers within INE and sent to tax administrations
- Tax register is derived annually by linking Population register to data from compulsory declaration of personal income tax and returned to INE



Project Methodology (II)

REGISTER DESIGN OF POPULATION FILE

Electoral Section	Personal ID	Dwelling Num. Within Elec Section	Person Number within dwelling	Sex	Nationality	Date of birth	
0602006035	xxxxxxx01	1	1	6		05mar1970	1+0.3= 1.3 equivalent household size
0602006035	xxxxxxx02	1	2	1		09may2010	
0602006035	xxxxxxx07	2	1	6		10jan1980	1+2*0.5+2*0.3 = 2.6 equivalent household size
0602006035	xxxxxxx08	2	2	1		25mar1982	
0602006035	xxxxxxx09	2	3	1		18feb2002	
0602006035	xxxxxxx10	2	4	6		22nov2008	
0602006035	xxxxxxx11	2	5	6		05agu2009	
0602006035	xxxxxxx12	N	1	1		01feb1970	1 equivalent household size

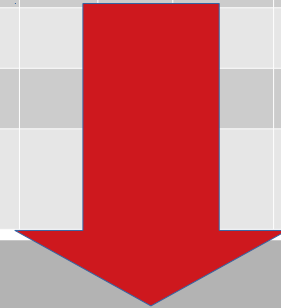
$$\text{Equivalised income} = \frac{\text{household income}}{\text{equivalent size}} \rightarrow \text{assigned to every member of the household}$$



Project Methodology (III)

REGISTER DESIGN OF TAX FILE

row	Electoral Section	Eq. Income Range	lower limit	Upper limit	Demographic variables	Total Income
1	0618001004	1	0	700		1429,59
2	0618001004	2	700	1.400		2541,35
203	0618001004	203	18.000.000	20.000.000		0



Demographic variables

row	Electoral Section	Num. Dwellings	Num Persons	M18	F18	M18a64	F18a64	M65	F65	ME	FE	MX	FX
1	1718001004	8	20	3	3	8	5	0	1	4	4	7	5
2	1718001004	2	4	1	0	1	2	0	0	1	2	1	0
203	1718001004	0	0	0	0	0	0	0	0	0	0	0	0



Project website promenade

https://ine.es/experimental/atlas/experimental_atlas.htm



Thank you for your attention

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