WEALTH INEQUALITY AND HOUSEHOLD STRUCTURE: US VS. SPAIN

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1 Introduction and summary

- Differences in wealth distribution across developed countries are large (eg share held by top 1%: 15 to 35%)
- Documenting these differences is important in at least two contexts (and now feasible in many cases):
 - . literature on inequality measurement
 - . may help discriminate between alternative theories of the distribution of wealth
- Potentially a lot more heterogeneity in nature of households across countries than individuals (eg patterns of household formation by young adults)
- To what extent the differences we observe in wealth distributions across countries persist for comparable households? To what extent are they due to differences in household structure between countries?

| | Gini | Median ¹ | p75/p25 | p25/p50 | p75/p50 | p90/p50 | N° of observations |
|--|------|---------------------|---------|---------|---------|---------|--------------------|
| All households | | | | | | | |
| US | 0.80 | 66 | 22.7 | 0.15 | 3.4 | 8.5 | 4442 |
| Spain | 0.56 | 102 | 4.3 | 0.42 | 1.8 | 3.2 | 5143 |
| | | | | | | | |
| Households with head aged | | | | | | | |
| 35 to 54 | | | | | | | |
| US | 0.77 | 79 | 13.6 | 0.21 | 2.9 | 6.7 | 1994 |
| Spain | 0.54 | 114 | 3.8 | 0.46 | 1.8 | 2.9 | 1717 |
| | | | | | | | |
| Households with head aged | | | | | | | |
| 35 to 54 and couple | | | | | | | |
| US | 0.74 | 118 | 8.1 | 0.32 | 2.6 | 5.6 | 1427 |
| Spain | 0.52 | 121 | 3.6 | 0.50 | 1.8 | 2.9 | 1293 |
| | | | | | | | |
| Households with head aged | | | | | | | |
| 35 to 54, couple, one child <16 | | | | | | | |
| US | 0.74 | 121 | 8.1 | 0.31 | 2.5 | 4.9 | 297 |
| Spain | 0.50 | 118 | 3.5 | 0.52 | 1.8 | 2.7 | 417 |
| | | | | | | | |
| All households, using square root equivalence scale | | | | | | | |
| $(\sqrt{n^{\circ}} \text{ of hh members})$ | | | | | | | |
| US | 0.80 | 45 | 22.5 | 0.15 | 3.4 | 8.6 | 4442 |
| Spain | 0.56 | 62 | 4.3 | 0.44 | 1.9 | 3.3 | 5143 |
| ~p•••• | 0.00 | | | | | 0.0 | 0110 |
| All households, per capita (scaling by n° of hh members) | | | | | | | |
| US | 0.81 | 31 | 22.5 | 0.15 | 33 | 9.0 | 4442 |
| Spain | 0.58 | 37 | 4.5 | 0.43 | 19 | 37 | 5143 |
| ~ F | 0.00 | <u> </u> | ••• | | | 0.1 | 01.0 |

Table 1. Summary statistics for US and Spanish wealth distributions, all and selected groups

¹ In thousands of euros

Sources: United States: Survey of Consumer Finances (SCF) 2001 Spain: Spanish Survey of Household Finances (EFF) 2002

| | % of single person households (1990/1991) ¹ | % of lone parent families (of fam. with children <18) $(1989/1991)^2$ | % aged living v (1 | 25-29 still vith parents $994)^3$ |
|-------------|--|--|--------------------------|-----------------------------------|
| | | | Men | Women |
| Sweden | 44.0 | 22.3 | - | - |
| Denmark | 38.1 | 22.0 | - | - |
| Netherlands | 37.7 | 18.1 | - | - |
| Germany | 37.7 | 15.7 | 28.8 | 12.7 |
| UK | 30.0 | - | 20.8 | 10.8 |
| US | 29.2 | 23.5 | 15.6 | 8.8 |
| France | 29.2 | 11.9 | 22.5 | 10.3 |
| Italy | 23.7 | - | 66.0 | 44.1 |
| Greece | 21.1 | - | 62.6 | 32.1 |
| Spain | 16.9 | 8.6 | 64.8 | 47.6 |

Table 2. Household types: indicators for some Western countries

¹ Reher (1998) from Eurostat for Europe; CPS US Census Bureau
 ² Fernández-Cordón and Tobio (1998) from INSEE
 ³ Fernández-Cordón (1997) from Eurostat for Europe; CPS US Census Bureau

In this paper:

- Prevailing family systems in each country may be important to understand differences in wealth inequality between countries (we take cross-country differences in family structure as given)
- Two countries: US (weak family ties) Spain (strong family ties) and comparable micro data (SCF 2001 and EFF2002)
- Non-parametric estimation of counterfactual distribution that results by combining the US conditional wealth distributions with the Spanish demographic characteristics of households.
- For various summary distribution measures we decompose the difference between the two countries into a part due to differences in household composition and another part holding composition constant
- Quantile regressions for within groups differences between US and Spain

2 Data and demographic groups

- SCF 2001 and EFF 2002; both oversample; we construct comparable assets and wealth definitions
- Measure of marketable net wealth
- To characterize the structure of households in both countries, we consider 16 types of households which differ in the age of household head, marital status, gender, and presence of children (go to Table 4)
- We take differences in the mix of groups to reflect mainly differences in household formation and structure
- Critical role of oversampling in international wealth comparisons

| | Percentage in | | Media | an net | N° of observ. in the sample | | |
|--------------------------|---------------|-------|-------|--------|--------------------------------|-------|--|
| | US | Spain | US | Spain | US | Spain | |
| Age < 25 | 0.2 | opuin | 0.2 | Spann | 0.0 | Spann | |
| 1. couple | 2.4 | 0.6 | 5.8 | 12.0 | 78 | 18 | |
| 2. single male | 1.4 | 0.6 | 2.0 | 3.2 | 52 | 20 | |
| 3. single female | 1.8 | 0.4 | 0.3 | 6.5 | 57 | 18 | |
| $25 \le Age < 35$ couple | | | | | | | |
| 4. no children | 3.4 | 4.0 | 34.5 | 71.0 | 121 | 98 | |
| 5. children | 6.9 | 5.4 | 26.0 | 70.2 | 242 | 149 | |
| 6. single male | 2.6 | 1.7 | 9.7 | 62.6 | 94 | 62 | |
| single female | | | | | | | |
| 7. no children | 1.9 | 1.1 | 6.1 | 30.4 | 72 | 47 | |
| 8. children | 2.4 | 0.3 | 1.8 | 10.8 | 89 | 10 | |
| $35 \le Age < 55$ couple | | | | | | | |
| 9. no children | 12.0 | 12.0 | 118.6 | 130.0 | 560 | 486 | |
| 10. children | 16.0 | 20.9 | 117.5 | 116.1 | 867 | 807 | |
| 11. single male | 5.2 | 3.6 | 36.5 | 78.5 | 215 | 163 | |
| single female | | | | | | | |
| 12. no children | 5.4 | 3.9 | 25.0 | 108.1 | 203 | 190 | |
| 13. children | 4.2 | 1.3 | 11.7 | 68.4 | 149 | 71 | |
| Age ≥ 55 | | | | | | | |
| 14. couple | 19.7 | 28.2 | 220.9 | 122.4 | 1102 | 1938 | |
| 15. single male | 4.4 | 3.8 | 85.0 | 86.1 | 191 | 283 | |
| 16. single female | 10.2 | 12.1 | 60.7 | 78.6 | 350 | 783 | |

Table 4. Information on the 16 household groups considered

¹ In thousands of euros Sources: SCF 2001 and EFF 2002

| | | | | | | | Ç | % of we | alth helo | l by top |) |
|--|------------------|------------------|------------------|------------------|------------------|-------------------------|------------|------------|------------|------------|------------|
| | p10 ¹ | p25 ¹ | p50 ¹ | p75 ¹ | p90 ¹ | <u>p75 – p25</u> p25 | 50% | 20% | 10% | 5% | 1% |
| US | | | | | | | | | | | |
| point estimate | 0.05 | 9.7 | 65.8 | 221.1 | 562.7 | 21.7 | 97.1 | 82.2 | 69.0 | 56.9 | 32.1 |
| standard error with oversampling random sample | 0.06 0.08 | 0.5 0.8 | 2.1 2.9 | 5.0 7.4 | 14.2 24.5 | 1.1 1.7 | 0.1 0.2 | 0.4 1.3 | 0.5 2.2 | 0.6 3.0 | 0.5 4.0 |
| Spain | | | | | | | | | | | |
| point estimate | 6.4 | 43.2 | 101.9 | 185.7 | 330.2 | 3.3 | 86.4 | 58.6 | 41.8 | 29.5 | 13.2 |
| standard error with oversampling | 1.0 | 2.0 | 2.8 | 3.3 | 10.3 | 0.2 | 0.5 | 1.0 | 1.3 | 1.5 | 1.6 |

Table 5. Precision of wealth distribution measures: oversampling vs. random sampling

¹ In thousands of euros

3 Counterfactual US wealth with Spanish household structure

• Estimating the US empirical wealth distribution

$$\widehat{F}_{US}(r) = \widehat{\mathsf{Pr}}_{US}(w \le r) = \sum_{j=1}^{J} \widehat{\mathsf{Pr}}_{US}(w \le r | z = j) \widehat{\mathsf{Pr}}_{US}(z = j)$$

 $j \ (j = 1, ..., J)$ types of households

• Counterfactual US distribution

$$\widehat{F}_{US}^{SP}(r) = \sum_{j=1}^{J} \widehat{\mathsf{Pr}}_{US}(w \le r | z = j) \widehat{\mathsf{Pr}}_{SP}(z = j),$$

 Illustrative example: Proportion of owner occupied housing: US 68%, Spain 82% but differences across types of households are substantial, counterfactual US 75%

| | US | Spain | US with Spanish mix of households |
|--------------------|------|-------|--------------------------------------|
| Overall | 67.7 | 81.9 | 74.9 |
| A 25 | | | |
| Age < 25 | 21.0 | 41 7 | |
| couple | 21.0 | 41./ | |
| single male | 3.9 | 49.2 | |
| single female | 11.7 | 49.4 | |
| 25 < Age < 35 | | | |
| couple | | | |
| no children | 56.4 | 79.5 | |
| children | 63.8 | 73.9 | |
| single male | 35.2 | 55.6 | |
| single female | 55.2 | 00.0 | |
| no children | 25.4 | 533 | |
| children | 25.1 | 59.5 | |
| ennaren | 23.1 | 57.0 | |
| $35 \leq Age < 55$ | | | |
| couple | | | |
| no children | 81.4 | 83.4 | |
| children | 83.3 | 83.3 | |
| single male | 54.3 | 67.0 | |
| single female | | | |
| no children | 51.2 | 78.9 | |
| children | 48.6 | 65.9 | |
| | | | |
| Age ≥ 55 | | | |
| couple | 89.3 | 90.5 | |
| single male | 75.4 | 77.1 | |
| single female | 67.1 | 82.6 | |

Table 6a. Percentage of owner occupiers, by type of households



Figure 1: Empirical wealth distributions

- Considerable more households with zero or very low wealth in US wrt Spain. Household wealth in the US is lower than in Spain up to approx 67th perc. At this point the two distributions cross and the situation is reversed
- Household structure prevailing in US as compared to Spain explains a large part of the difference in first part of the distribution
- In contrast, for the upper half if the structure of households in the US was the same as in Spain, the differences between US and Spain would be even larger

- To further characterize the difference between the two countries we look at portfolio composition
- Table 6a point to an association between differences in lower part of the distribution (and the earlier part of the life cycle) and home ownership

| Table 6b. Financial assets: wealth share | ¹ and participation rates |
|--|--------------------------------------|
|--|--------------------------------------|

| | US | Spain | US with Spanish mix of households |
|--|------|-------|-----------------------------------|
| Financial assets share | 41.2 | 12.0 | 41.8 |
| Percentage of households holding financial assets | 71.0 | 25.0 | 72.0 |
| . All financial assets | /1.0 | 35.2 | 73.9 |
| Stocks | 21.7 | 12.5 | 24.3 |
| . Mutual funds | 21.5 | 7.2 | 24.2 |
| . Fixed-income securities | 18.9 | 1.9 | 20.6 |
| . Pension schemes | 61.6 | 24.1 | 65.1 |

¹ Wealth in financial assets (including bank accounts and deposits, stocks, mutual funds, fixed-income securities, and pension schemes) over wealth (including debts).

² Percentage of households holding various types of financial assets (excluding bank accounts and deposits).

- Table 6b shows that counterfactual US participation in financial assets and portfolio share in financial assets are closer to US figures than to the Spanish ones. In fact, they are higher than the actual US figures.
- Tables 6b and 6c indicate an association between the importance of financial wealth in household portfolios and the differences observed in the upper part of the wealth distribution (and in the later part of the life-cycle)

| | Wealt | th share | Participation ¹ | | |
|--------------------|--------------|------------|----------------------------|--------------|--|
| | US | Spain | US | Spain | |
| | | | | | |
| Overall | 41.2 | 12.0 | 71.0 | 35.2 | |
| | | | | | |
| Age < 25 | | | | | |
| couple | 38.2 | 7.7 | 56.5 | 37.7 | |
| single male | 71.7 | 13.0 | 49.8 | 13.2 | |
| single female | 16.5 | 9.0 | 30.0 | 23.7 | |
| 25 < Age < 35 | | | | | |
| couple | | | | | |
| no children | 31.0 | 5.0 | 75 / | 26.6 | |
| abildran | 20.0 | J.0 7 9 | 73.4 | 20.0 | |
| | 29.9 | /.0 | /2.0 | 39.7 22.5 | |
| single male | 29.1 | 11.0 | 64.8 | 32.5 | |
| single temale | | | () | | |
| no children | 42.0 | 8.8 | 62.3 | 24.0 | |
| children | 47.4 | 2.3 | 45.1 | 9.0 | |
| $35 \leq Age < 55$ | | | | | |
| couple | | | | | |
| no children | 40.8 | 15.9 | 81.6 | 47.1 | |
| children | 34 3 | 11.6 | 82.2 | 48.6 | |
| single male | 44.8 | 11.0 | 0 <u>2</u> .2 77 2 | 31.7 | |
| single female | 11.0 | 11./ | 11.2 | 51.7 | |
| no abildron | 118 | 0.8 | 66 0 | 42.0 | |
| abildran | 44.0 24.2 | 9.0 | 50.0 | 42.0 | |
| children | 34.3 | /.0 | 38.9 | 15.7 | |
| Age ≥ 55 | | | | | |
| couple | 46.9 | 13.8 | 78.3 | 32.1 | |
| single male | 48.6 | 16.7 | 64.2 | 22.6 | |
| single female | 50.5 | 9.8 | 54.5 | 16.4 | |

Table 6c. Financial assets: group composition (%)

¹% of households holding financial assets (including shocks, mutual funds, fixed-income securities, and pension schemes) excluding bank accounts and deposits.

4 Summary measures for the counterfactual US distribution

- Table 7 reports various measures of position and dispersion for the three distributions
- Table 8 we decompose the differences between the US and Spain in previous summary measures

$$m_{SP} - m_{US} = (m_{SP} - m_{US}^{SP}) + (m_{US}^{SP} - m_{US})$$

- . first term: difference in wealth for the same household composition
- . second term: differences when only household composition changes

| | US m _{us} | Spain m _{sp} | counterfactual US m_{US}^{SP} | Dif. same hh composition $m_{SP} - m_{US}^{SP}$ | Diff. only hh comp changes $m_{US}^{SP} - m_{US}$ |
|---------------------------------|-----------------------|--------------------------|---------------------------------|---|---|
| | | | | % | % |
| % households net worth ≤ 0 | 9.6 | 1.4 | 6.4 | 61.0 | 39.0 |
| p10 ¹ | 0.04 | 6.4 | 1.7 | 73.4 | 26.6 |
| p25 ¹ | 9.7 | 43.2 | 22.6 | 61.4 | 38.6 |
| Median ¹ | 65.8 | 101.9 | 91.6 | 28.5 | 71.5 |
| Mean ¹ | 299.8 | 160.4 | 367.3 | 148.4 | -48.4 |
| p75 ¹ | 221.1 | 185.7 | 282.9 | 274.5 | -174.5 |
| p90 ¹ | 562.7 | 330.2 | 664.0 | 143.5 | -43.5 |
| <u>p75-p25</u> p25 | 21.7 | 3.3 | 11.5 | 44.6 | 55.4 |
| <u>p50 – p25</u> p25 | 5.7 | 1.4 | 3.0 | 37.2 | 62.8 |
| $\frac{p75 - p50}{p50}$ | 2.3 | 0.8 | 2.1 | 86.5 | 13.5 |
| $\frac{p90 - p50}{p50}$ | 7.5 | 2.2 | 6.2 | 75.5 | 24.5 |

Table 7 (and 8). Summary wealth distribution measures for the US,Spain, and US with Spanish structure of households

¹ In thousands of euros except last two columns.

• Types of households that make the compositional difference:

Vary proportion of types of households in the US one type at a time ie. divide households in two types (group of interest and the rest) and see how US wealth at various percentiles would change if only the proportion of that particular type would change

$$\widehat{F}_{US[j]}^{SP}(r) = \widehat{\mathsf{Pr}}_{US}(w \le r | z = j) \widehat{\mathsf{Pr}}_{SP}(z = j) + \widehat{\mathsf{Pr}}_{US}(w \le r | z \ne j) \widehat{\mathsf{Pr}}_{SP}(z \ne j)$$

| | p25 | Diff with | p50 | Diff with | p75 | Diff with |
|--------------------|------|------------|------|-----------|-------|-----------|
| | - | US p25 | - | US p50 | - | US p75 |
| Age < 25 | | | | | | |
| couple | 11.0 | 1.3 | 69.7 | 3.8 | 227.8 | 6.6 |
| single male | 10.7 | 1.0 | 67.6 | 1.8 | 223.1 | 1.9 |
| single female | 11.2 | 1.5 | 68.8 | 3.0 | 225.3 | 4.2 |
| | | | | | | |
| $25 \leq Age < 35$ | | | | | | |
| couple | | | | | | |
| no children | 9.7 | -0.03 | 65.7 | -0.15 | 220.5 | -0.6 |
| children | 9.9 | 0.2 | 67.9 | 2.0 | 224.3 | 3.2 |
| single male | 10.1 | 0.4 | 66.4 | 0.6 | 222.1 | 1.0 |
| single female | | | | | | |
| no children | 10.2 | 0.4 | 66.6 | 0.7 | 222.4 | 1.3 |
| children | 11.3 | 1.6 | 70.0 | 4.1 | 228.0 | 6.8 |
| | | | | | | |
| $35 \leq Age < 55$ | | | | | | |
| couple | 0 7 | 0 | | 0.1 | 001.1 | 0 |
| no children | 9.7 | 0 | 66.0 | 0.1 | 221.1 | 0 |
| children | 11.2 | 1.5 | 69.6 | 3.8 | 228.0 | 6.9 |
| single male | 9.7 | 0 | 66.3 | 0.4 | 222.1 | 1.0 |
| single female | 10.0 | . . | | | | |
| no children | 10.0 | 0.3 | 66.9 | 1.1 | 223.2 | 2.1 |
| children | 11.0 | 1.2 | 69.6 | 3.8 | 228.0 | 6.9 |
| | | | | | | |
| Age \geq 55 | 12.0 | 2.2 | | 10.0 | 240.5 | 20.4 |
| couple | 13.0 | 3.3 | /6./ | 10.9 | 249.5 | 28.4 |
| single male | 9.7 | -0.02 | 65.8 | 0 | 221.1 | 0 |
| single female | 9.8 | 0.05 | 65.7 | -0.1 | 220.5 | -0.6 |

Table 9. Difference due to household composition, by household groups: varying one group at a time

 $p25_{US} = 9.7, \ p25_{US}^{SP} = 22.6, \ p25_{US}^{SP} - p25_{US} = 12.9 \qquad p50_{US} = 65.8, \ p50_{US}^{SP} = 91.6, \ p50_{US}^{SP} - p50_{US} = 25.8 \\ p75_{US} = 221.1, \ p75_{US}^{SP} = 282.9, \ p75_{US}^{SP} - p75_{US} = 61.7 \\ p75_{US} = 221.1, \ p75_{US}^{SP} = 282.9, \ p75_{US}^{SP} - p75_{US} = 61.7 \\ p75_{US} = 221.1, \ p75_{US}^{SP} = 282.9, \ p75_{US}^{SP} - p75_{US} = 61.7 \\ p75_{US} = 221.1, \ p75_{US}^{SP} = 282.9, \ p75_{US}^{SP} - p75_{US} = 61.7 \\ p75_{US} = 221.1, \ p75_{US}^{SP} = 282.9, \ p75_{US}^{SP} - p75_{US} = 61.7 \\ p75_{US} = 221.1, \ p75_{US}^{SP} = 282.9, \ p75_{US}^{SP} - p75_{US} = 61.7 \\ p75_{US} = 221.1, \ p75_{US}^{SP} = 282.9, \ p75_{US}^{SP} - p75_{US} = 61.7 \\ p75_{US} = 221.1, \ p75_{US}^{SP} = 282.9, \ p75_{US}^{SP} - p75_{US} = 61.7 \\ p75_{US}^{SP} - p$

(note that in the case of quantiles the sum of the differences for each group is not equal to the overall difference)

Table 10. Gini and wealth concentration measures for the US, Spain,and US with Spanish structure of households

| | | % of total wealth held by top | | | | |
|---|------|-------------------------------|------|------|------|------|
| | Gini | 1% | 5% | 10% | 20% | 50% |
| US | 0.80 | 32.1 | 56.9 | 69.0 | 82.2 | 97.1 |
| Spain | 0.56 | 13.2 | 29.5 | 41.8 | 58.6 | 86.4 |
| US with Spanish structure of households | 0.78 | 30.0 | 55.3 | 67.1 | 80.1 | 96.0 |

• Other summary measures usually reported: Lorenz and Gini (not very informative about where in the distribution differences occur) and other concentration measures (very sensitive to the tails of the distribution).



Figure 2: Lorenz and Generalized Lorenz curves

- Given that the means of the distributions are very different, these measures may be misleading about the similarities between the two distributions
- Generalized Lorenz curve

$$H(r) = E(W|w \le r)F(r).$$

5 Within group differences

- Plot conditional wealth distributions in the US and Spain: for some types of households the conditional distributions are very similar in the two countries, for some others quite different (Figure 5)
- To have more precise measures of the difference in the conditional distributions we present quantile regressions

$$Q_{\tau}(W|z_i) = \alpha_{1\tau} \mathbf{1}(z=1) + \gamma_{1\tau} \mathbf{1}(z=1) D_{SP} + \dots + \alpha_{16\tau} \mathbf{1}(z=16) + \gamma_{16\tau} \mathbf{1}(z=16) D_{SP}$$

where $\tau = 0.25, 0.50, \text{ and } 0.75$ and D_{SP} is a zero-one dummy for Spain





Figure 5: Conditional distributions, by type of household





| | p25 | p50 | p75 |
|------------------------------|---------|---------|----------|
| Age < 25 | | | |
| couple | 1.2 | 6.3 | 15.2 |
| single male | 2.8 | 1.1 | 104.5* |
| single female | 4.6 | 12.0 | 52.3 |
| $25 \le Age < 35$ couple | | | |
| no children | 29.3** | 36.5** | 3.6 |
| children | 20.9** | 44.3** | 56.4** |
| single male single female | 4.8 | 52.9** | 52.0 |
| no children | 3.0 | 24.3* | 76.8* |
| children | 1.1 | 9.0 | 27.0 |
| $35 \le Age < 55$ couple | | | |
| no children | 26.8** | 11.4** | -65.3** |
| children | 18.5** | -1.4 | -107.6** |
| single male single female | 11.8** | 42.1** | -8.2 |
| no children | 39.3** | 83.1** | 73.2** |
| children | 9.8** | 56.7** | 55.2* |
| Age ≥ 55 | | | |
| couple | -14.5** | -98.5** | -301.9** |
| single male | 10.6** | 1.1 | -32.3 |
| single female | 22.0** | 17.9** | -2.2 |

Table 11. Quantile regressions for the conditional distributions¹

¹The coefficients reported reflect the difference of the Spanish conditional quantile with respect to the US one for each of the 16 groups. In thousands of euros.

² * 5% significance, **1% significance.

6 Concluding remarks

- We highlight the link between family demographics and wealth distribution
- For the first part of the distribution controlling for household demographics explains a great deal of the observed difference between the US and Spain (71% at the median, 55% in the inter-quartile range)
- In contrast, for the upper part, the differences in family structure are masking the extent of the differences between the two countries (eg. at 75th percentile the difference between Spain and the counterfactual US would be 2.75 times the actual US vs. Spain difference)

 Identify main groups behind the difference between counterfactual and actual US distributions

. couples aged 55 and over (eg if Spanish 28% instead of US 19.7%, the US median would increase by 10900 euros)

- . very young single women and couples
- . single women under 55 with children
- . couples aged 35 to 54 with children
- looking at comparable groups, the main feature that emerges is how differences between the US and Spain in household wealth change over the life-cycle (age, rather) for a large group of the population
- In the US significantly worse off at all quartiles when young (aged 25-34), signicantly better off at all quartiles when old (over 54), and worse off in the first part of the distribution but better off in the upper part when aged in between

- International comparisons may be useful to construct models that uncover mechanisms that generate observed wealth data
- However differences in household structures and properties of the data at hand must be considered
- Look at how models fare for other measures of the distribution (aside from Gini and concentration measures)