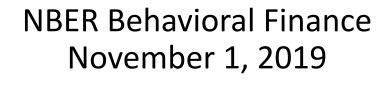
The Gender Gap in Housing Returns

by Goldsmith-Pinkham and Shue

Discussion by Christopher Palmer MIT Sloan & NBER





Summary

- 1. Single men earn 6 p.p./year higher return on their investment in their primary residence than single women (ROE)
- 2. Not driven by men taking on more risk (leverage, downside, flipping)
- 3. Driven by execution: women pay more, list for less, softer w/ discounts
- 4. => for long holding periods, return gap inconsequential
- 5. Higher return when same house owned by man than woman
- 6. Role for preferences/family constraints? Location and timing matter
- 7. Gap not shrinking over time

Outline

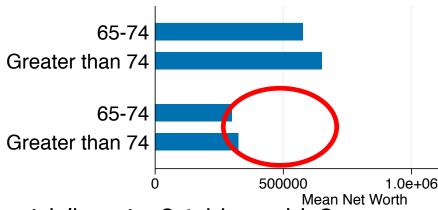
- 1. Thoughts on Motivation
- 2. Measurement Error
- 3. Beliefs
- 4. Qualitative Evidence
- 5. Conclusion

1. Motivation

• Initially struggled with this. Descriptive. Curious phenomenon but why so important?

Answer: wealth gap!

 First-order for retirement outcomes Single Men
Single Women



- Immediate questions: preferences for risk/housing? Addressable?
- But then useful to have more connection + quantification
 - For example: given holding returns results, how impt is channel?

Descriptive Reporting vs. Interpreting

- Tricky subject to interpret without lazily invoking stereotypes
- Effort to not overinterpret is both sensible and unsatisfying
- But supported by rich literature documenting gender differences
- Could use more discussion of which of these consistent with estimates
- Example: demographics (price level, education, age, race...), location
- Decomposition useful precisely because sharpens contribution to understanding the wealth gap
- Tie to what we might do or think differently

Should we care about identification here?

- Reverse causality concerns can take the day off...;-)
- Many omitted factors correlated with gender
- But do we want to control for these?
- Depends on application; motivation helps sharpen this exercise
 - The "true" gender gap in housing returns is unconditional
 - Understanding where it comes from requires controls
- Identification concerns not so much with doubting the unconditional gender gap numbers
- But in decomposition, some factors more/less interesting

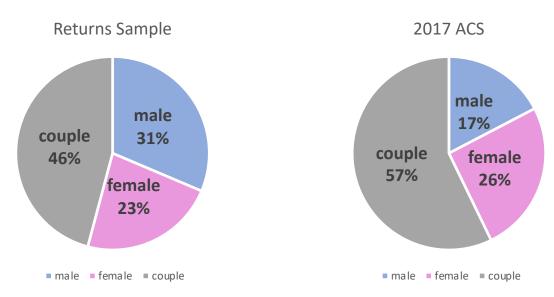
2. Measurement Error

- Crux of paper is inferring gender and single-status from listed names
- Pretty cool to see names in behavioral finance
- Many reasons could get this wrong. Big deal?
- Evidence ME has a big effect?
- If it's random, does it matter?



A close-to-home example

Really more single male homeowners?



- Deeds: single male homeowner 50% more likely than single female (Table 1)
- Census: single female homeowner 50% more likely than single male

Measurement Error Bias with Binary RHS

$$y = \beta \cdot \operatorname{gender}^* + \varepsilon$$

$$\operatorname{gender}^* \perp \!\!\! \perp \varepsilon$$

$$\operatorname{gender} = \operatorname{gender}^* + v$$

$$\begin{aligned} \text{gender}^*, \text{gender} &\in \{0,1\} \\ v &\in \{-1,0,1\} \\ v \not\!\perp \text{ (gender}^*, \varepsilon) \end{aligned}$$

Ideas to Assess/Address Measurement Error

1. Benchmark with Census data. At city-level, scatter

single men owner in IPUMS vs. # CoreLogic single-men owner

- 2. Can also check what predicts deviation in cross-section ($\sigma_{v\varepsilon}$)
- 3. State-level variation in community property laws where buyers fastidious/not in including both names
- 4. Simulate to get bounds
- 5. Mixture model spirit of Hausman, Abrevaya, Scott-Morton (1998)

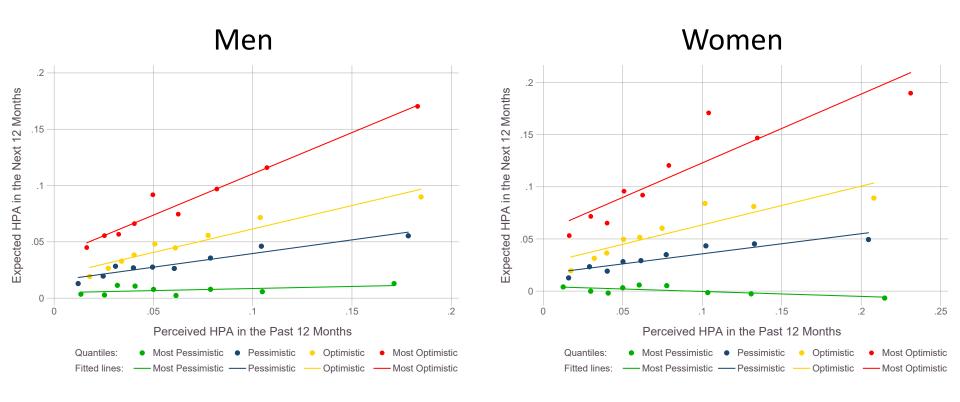
3. Beliefs

- Another class of explanations: different beliefs about house prices
- Methodology of Liu and Palmer (2019)

$$Q_{\hat{r}_{t+1}|\hat{r}_{it}}(\tau) = \beta_0(\tau) + \beta_1(\tau) \cdot \hat{r}_{it}$$

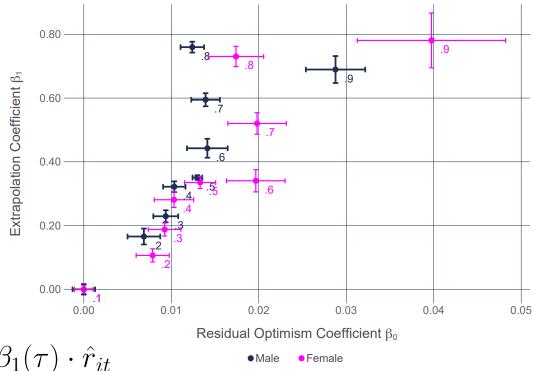
- Designed to assess whether optimists extrapolate more
- If β_1 increasing in τ then most optimistic are extrapolating most
- Most optimistic not necessarily buyers: Cov(beliefs, constraints) > 0

Optimistic Women Extrapolate More



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Optimistic Women More Bullish



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$$Q_{\hat{r}_{t+1}|\hat{r}_{it}}(\tau) = \beta_0(\tau) + \beta_1(\tau) \cdot \hat{r}_{it}$$

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4. Qualitative Evidence (Hypothesis Generation)

- Gender gap in expected horizon
- Listing only one name: mortgage qualification or liability issues
 - MDs and JDs particularly likely. Observable variation across zip codes
- Women's preferences more well defined
 => bid on higher number of houses, search longer
- Women higher standards for inspection stuff
- Trusts more likely to be sellers (check by gender @ purchase?)
- Divorced vs never married different dynamics
- Nonmonotonicity of age effects

Conclusion

- There is definitely a gender-gap in housing returns
- Wealth gap motivation is compelling: quantify and connect
 - Interesting to consider realized performance as asset class
- More interpretation would be useful for framing
- Measurement Error bias assessable and addressable
- Beliefs interesting dimension to explore