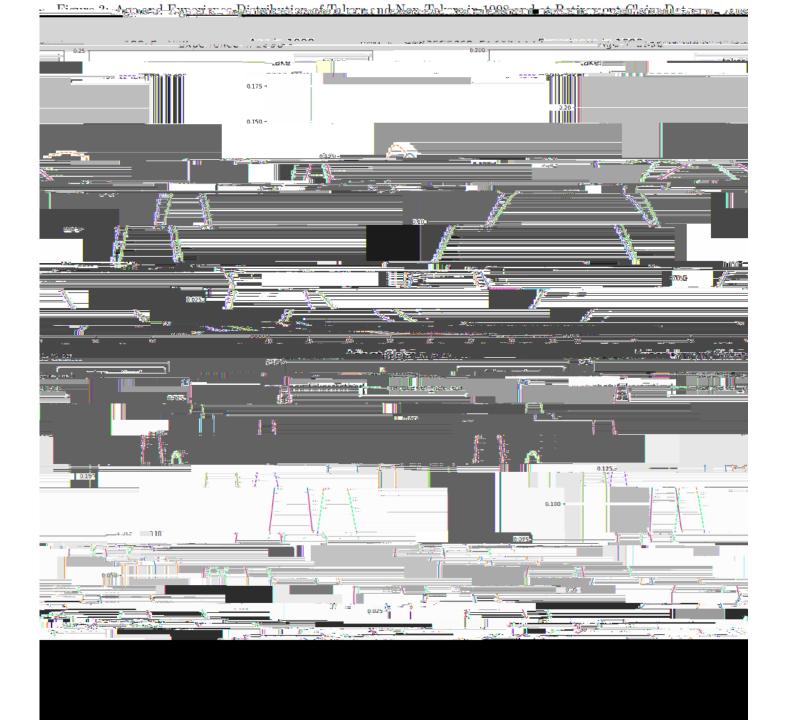




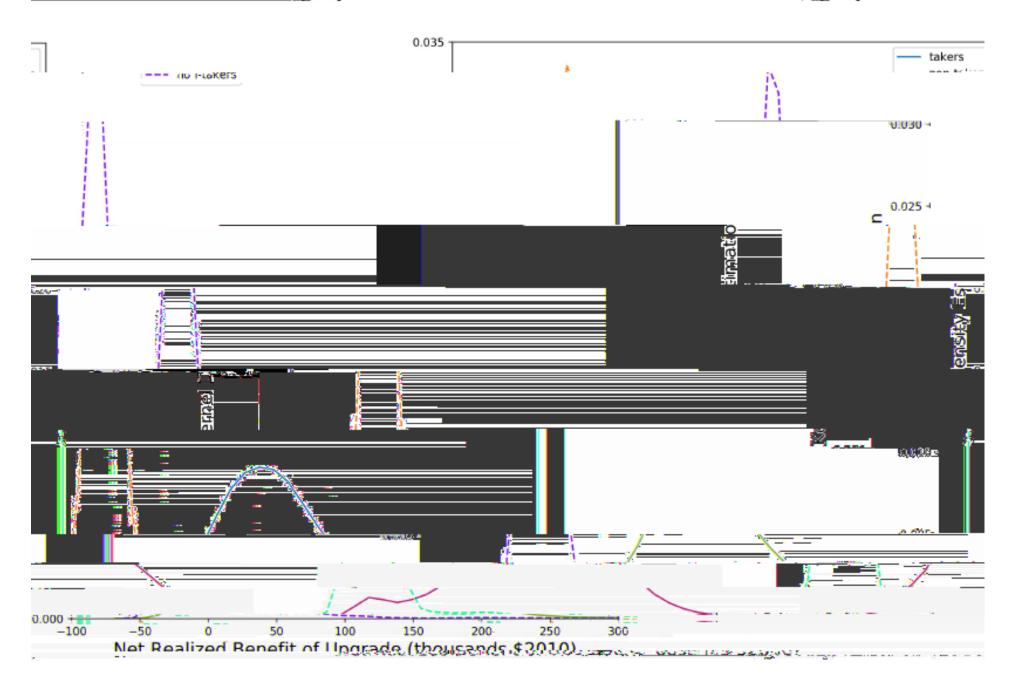
• This paper reexamines the IL teacher pension upgrade experience using pension system (TRS) data tracking the 1998-99 (22-28 experience) cohort to 2019. Actual retirement annuity and timing.

## Findings

- More teachers purchased upgrade (87% versus 74%)
- Importantly, nearly all teachers who did not purchase upgrade were better off not making the purchase
- IL pension upgrade experience not well suited to answer the question



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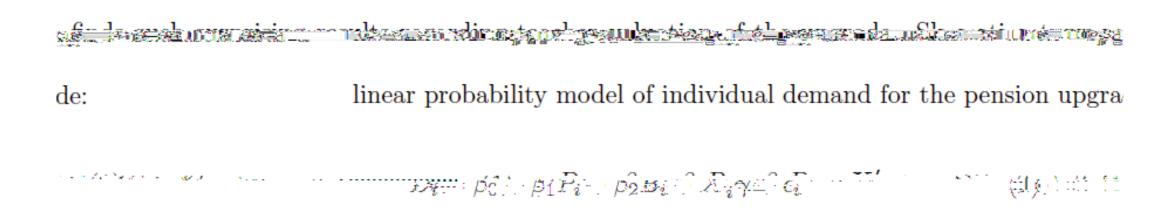


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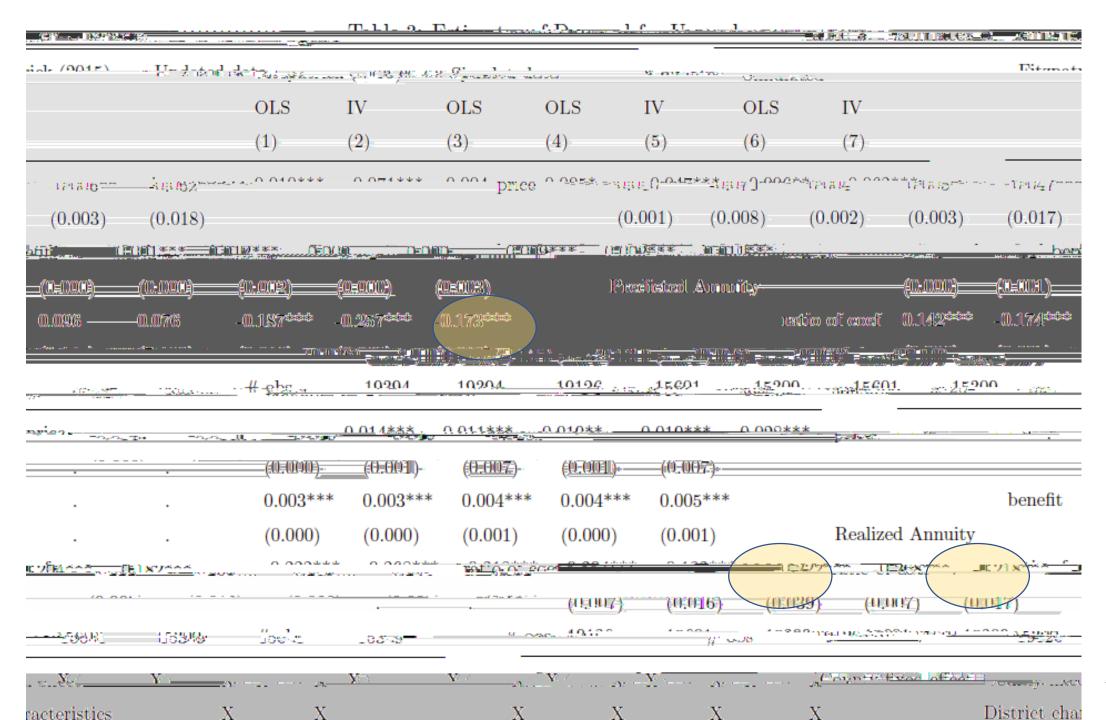


## Econometric paradox

• Even with updated (ex post) data on retirement timing and actual



Ratio 
$$_2$$
  $_1$  = 1



- Problem with instruments (benefit and price are both functions of salary) (Goldhaber and Holden, 2020)
- Problem with LPM (and non-linear)
  - 7

- Vast majority of Illinois teachers made upgrade decisions consistent with PW maximization at conventional discount rates (2%)
- Illinois upgrade experience not well suited to estimate WTP of teachers for pension upgrades
- Illustrates (yet again) that pension plan incentives affect timing of retirement
  - Very important to understand behavioral effects of pension rules in estimating the costs or benefits of pension rule changes