Discussion: Fairness and Frictions The Impact of Unequal Raises on Quit Behavior

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Study Overview

Main Research Questions:

- How do own-wages and peer-wages influence employee quit/separation behavior?
- What role does fairness (relative pay) play in shaping turnover decisions?

Context:

- Conducted in a large U.S. retail chain with standardized compensation policies.
- ► Focused on entry-level, low-wage sales jobs during federal minimum wage hikes in 1996 and 1997.

Methodology:

- Quasi-experimental regression discontinuity (RD) design leveraging step-function wage increases.
- Separate analysis of own-wage and peer-wage effects.

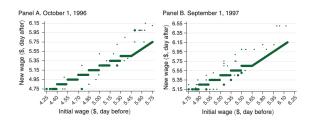


Structure

Theory:

- ▶ One-shot Job Ladder Model with peer wage comparisons.

Data:



Stacked RDD: Own-Wage Effects:

Stacked Fuzzy RDD: Peer-Wage Effects

Key Findings

Own-Wage Effects:

➤ A \$0.10 increase in own wages **reduces** the quit probability by 0.9 - 6.1 percentage points, depending on the timeframe.

Peer-Wage Effects:

► Higher peer wages significantly **increase** quit rates, especially when peers earn more (disadvantageous inequity).

Broader Insights:

- ► Fairness concerns (relative pay) outweigh market-driven wage comparisons.
- Uniform raises mitigate turnover by reducing perceptions of inequity.

Technical details:

- Asymmetry, Signaling, Decomposition, Heterogeneity
- Falsification

Strengths of the Presentation

Clear Structure, Clear Decomposition:

- Break down the long and complex paper into digestible and structured parts.
- Focus on the key analysis and findings, concise on the technical details.

Have given suggestions:

- Not only pointed out the weaknesses, but also suggested solutions.
- And the suggestions are constructive and feasible.

Two blue papers, a big challenge:

Blue paper is already a challenge, not to mention two blue papers.

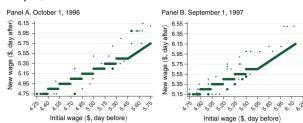
Potential Improvements of the Presentation

1. Audience may need more clarity in methods:

- What is the technology/principle behind the RD design?
- ► And how it works in this model?

2. Lack of Visual Aids:

- Diagrams or graphs could help illustrate complex models and data.
- ► Tables of key findings?
- For example,



RDD technology in this model

A typical RD model looks like:

$$Y_i = \alpha + \beta \cdot D_i + f(X_i) + \epsilon_i,$$

where D_i is the treatment indicator, and $f(X_i)$ is the smooth function. And $\beta = \mathbf{E}(Y_i^1 - Y_i^0 | X_i = jump\ point)$.

In this paper:

$$S_{iy}^{m} = \beta \cdot w_{iy} + \frac{\delta \cdot w_{jy}}{\delta \cdot w_{jy}} + f_{y}(w_{0iy}) + g_{y}(w_{0jy}) + X_{ijy}\Gamma + \lambda_{z(i)} + \epsilon_{ijy},$$

so
$$\beta = \mathbf{E}(S_{iy}^{m,1} - S_{iy}^{m,0}|w_{0iy} = jump\ point)$$
, own wage effect, and $\delta = \mathbf{E}(S_{iy}^{m,1} - S_{iy}^{m,0}|w_{0jy} = jump\ point)$, peer wage effect.

$$w_{iy}, \ w_{jy}$$
 serve as indicators: $w_{iy} = \begin{cases} \bar{w}_{iy} & \text{if } w_{0iy} > jump\ point \\ \underline{w}_{iy} & \text{if } w_{0iy} < jump\ point \end{cases}$

Weaknesses of the Paper

Weak theory, with lack of dynamics:

- ► Unlike dynamic McCall model and DMP model, the worker in this paper takes only one-shot decision.
- ► However, the worker may consider future's merit increase, as memtioned in the paper, when deciding to quit or transit.

Weakness of RDD:

▶ RDD estimates LATE (Local - ATE), therefore, the results apply only around the jump points.

Replicability?

Although the results of this paper are not against common intuition, the significance may be questionable in other datasets.

Additional Connections to Social Preference Theory

Need more replications:

- ► However, perfect datasets like this with naturally exogenous treatment are rare.
- In different cultures or industries, the results may vary.

Thank you!