# Double-Lasso Enhancement on "The Effect of Minimum Wage on Low-wage Jobs"

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### Abstract and Introduction

- -Using Double-Lasso to enhance the DID analysis on The Effect of Minimum Wages on Low-wage Jobs.
- -Study articulates exploration of minimum wage using ML for detailed insights.
- -Methodological variations clarify discrepancies in youth employment findings.

### Literature Review

- -The review depth is moderate but lacks broader scope
- -focuses more on specific methodologies relevant to the study's data-driven approach.
- -The literature is relevant and current, directly connecting to the study's core analysis and objectives.

# ML Methodology

- -Utilizes the Double-Lasso technique to refine treatment group selection for DID analysis.
- -Applies placebo tests to confirm the robustness and precision of the regression outputs.



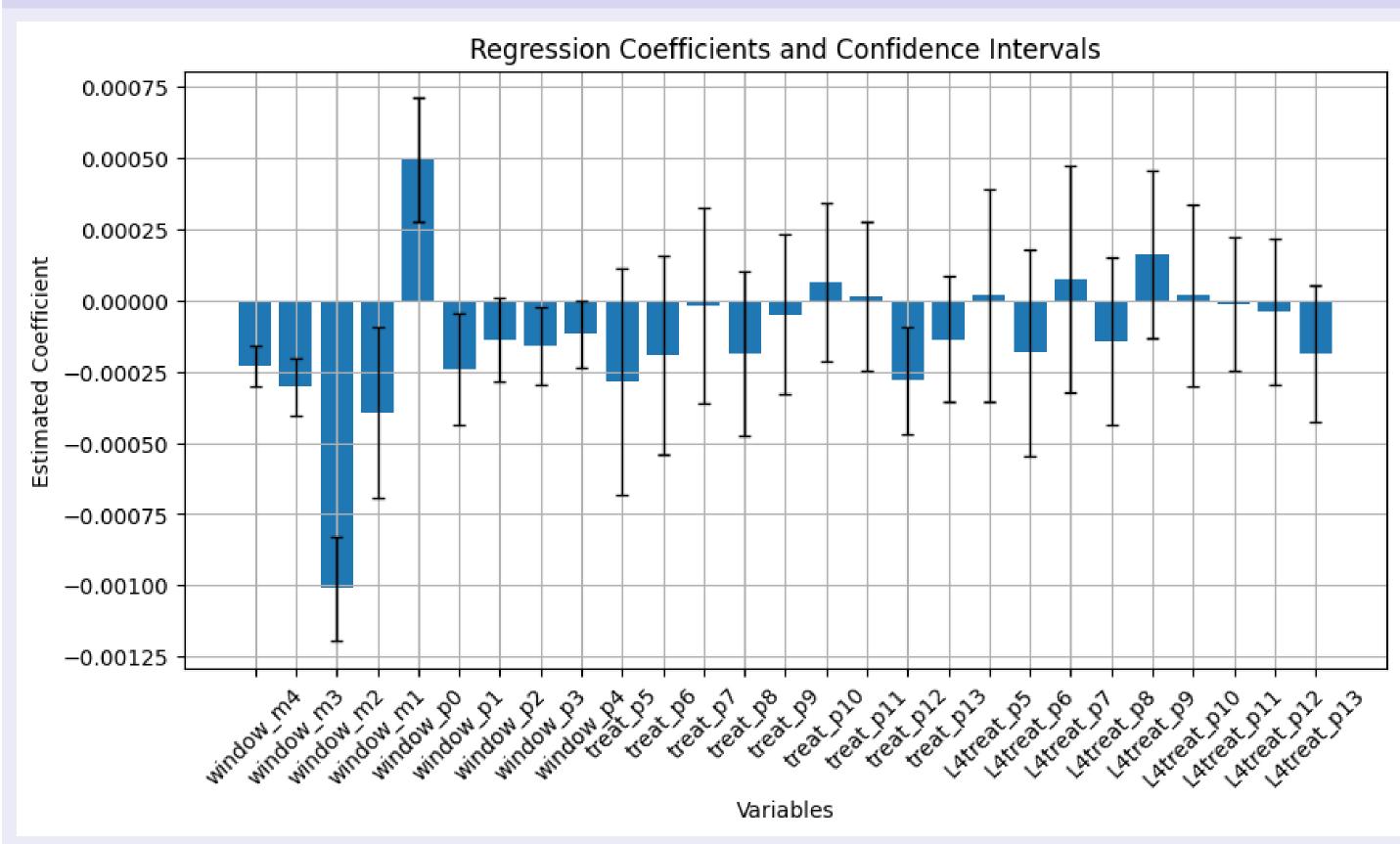


Figure: Impact of Minimum Wages on the Wage Distribution

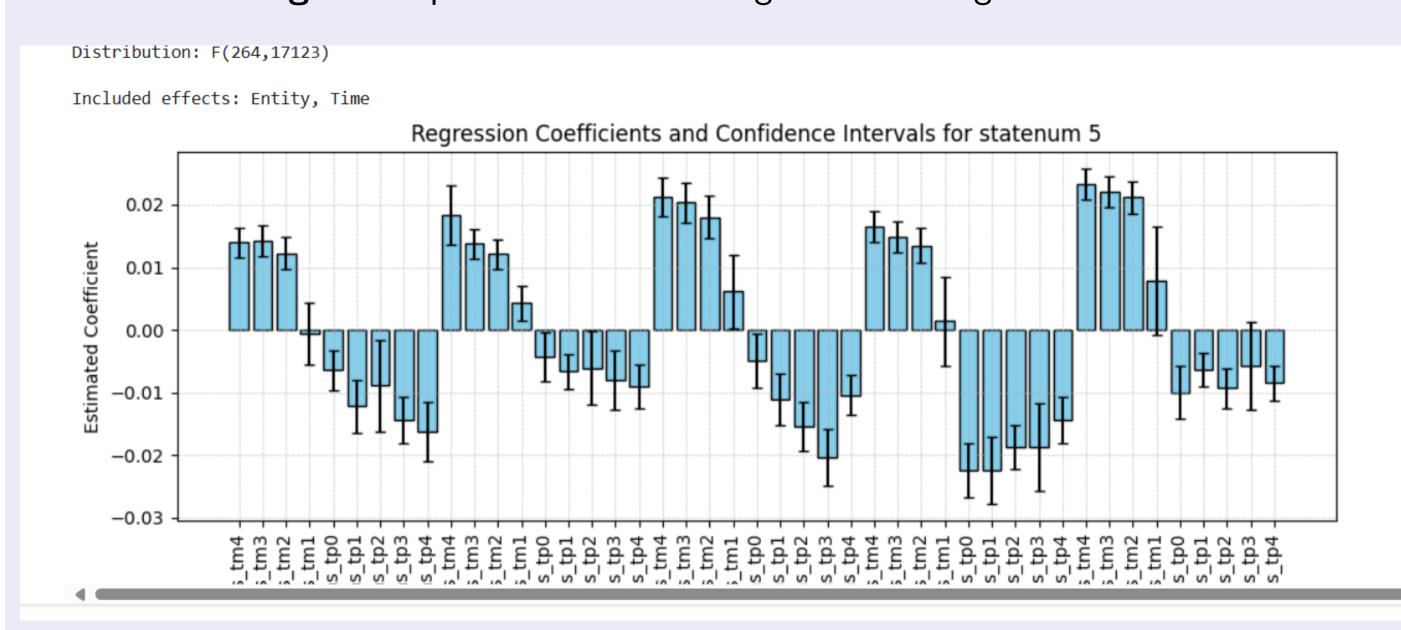


Figure: Double-Lasso Enhancement

- -Double Lasso refines model, revealing precise impacts of minimum wage across wage tiers.
- $-\delta a = 0.007, \delta b = -0.008.$

#### Conclusions

- -Research enhances traditional analysis with ML, offering new insights.
- -Clearly states how ML methodologies advance understanding of labor market responses to policy changes.

#### Discussion

- -ML analysis identifies detailed patterns, confirming robustness via placebo tests.
- -Results link back, offering a deeper understanding of wage policy effects.

## QR Code and Other Contents

