Veblen effects, political representation, and the reduction in working hours over the 20th century

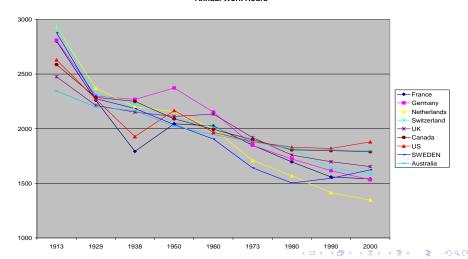
Seung-Yun Oh, Yongjin Park, and Samuel Bowles

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Historical trend

secular decline in work hours during 20th century

Annual Work Hours



- Conventional labor supply theory
 - Workers choose freely their work hours considering the trade-off between consumption and leisure.
 - unrealistic; no conflict over work hours between employers and workers; individual decision making.

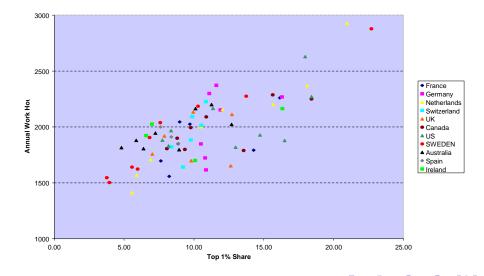
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 - Individuals care about their consumption relative to others.
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- Insights from Political science: Political representation
 - If employers offer longer hours than the work hours desired by employees, trade unions may bargain directly with employers to limit the length of the working day, and political parties representing workers may advocate government interventions to reduce work hours.

Veblen effects: Top 1% Income Share and Work hours

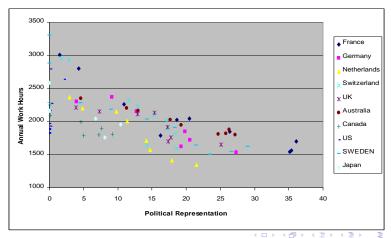
Work hours are increasing in the degree of income inequality



Political Representation of workers

Political representation index

- Total vote shares of democratic and leftist parties
- Accumulative effect of democracy: the number of years from the start of general male suffrage



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- Employers offer work hours.
- Workers' efforts determined by workers are not subject to a contract(Labor discipline model).
- Employers adopt monitoring technology and offer no shirking wage.
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- Mechanism of Veblen effect
 - Increase in top income share
 - Increases the gap between the consumption levels of an individual and the reference group
 - Reduces the individual's effective consumption(=consumption-consumption of reference group*Veblen coefficient)
 - Raises the marginal utility of consumption relative to the marginal disutility of work hours
 - Induces workers to prefer more hours given the wage.
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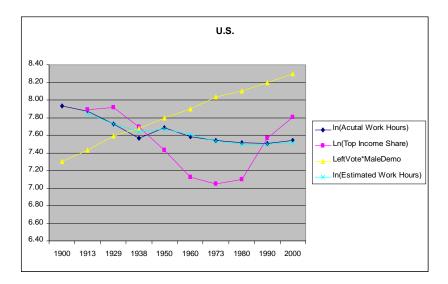
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Empirical Results: working hours of U.S.



Scale Adjustment: Ln(Top Share) +5, Political representation + 7 - (3 - 3 - 9 - 9 - 9

Empirical Results

 How much do the changes in average values(across all countries) of Top income share and Political representation account for the changes in average Work hours over the 20th century?

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- How much do the changes in average values(across all countries) of Top income share and Political representation account for the changes in average Work hours over the 20th century?
- Result based on OLS regression with country and year fixed effects.



Acknowledgement

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