Welfare Assessment of Default-Setting Policies

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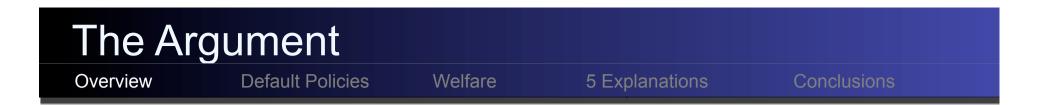
Vetenskapsrådet



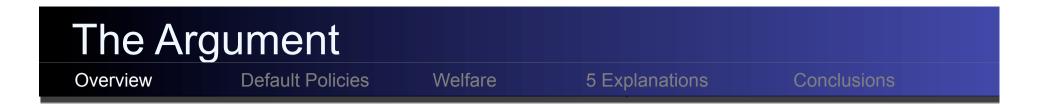




Till Grüne-Yanoff Welfare Assessments of Default-Setting Policies



- *i. Default effect* an empirical regularity between context and behaviour
- ii. Explanation of this regularity controversial: 5 different accounts
- iii. Welfare assessment of default policies dependent on which explanation is assumed to be correct



- *i.* Default effect an empirical regularity between context and behaviour
- ii. Explanation of this regularity controversial: 5 different accounts
- iii. Welfare assessment of default policies dependent on which explanation is assumed to be correct
- ⇒ Non-robustness, context-dependence of welfare assessment.

What is a Default Effect?OverviewDefault PoliciesWelfare5 ExplanationsConclusions

Default:

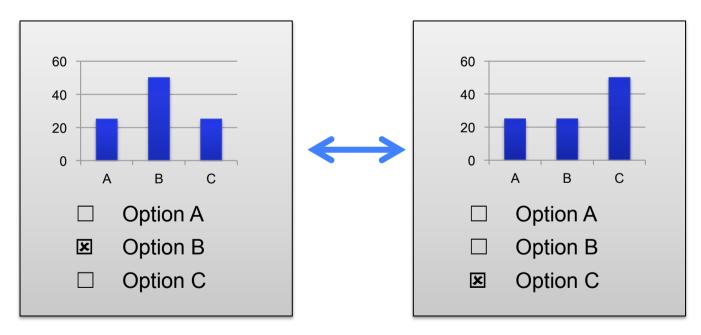
"Choose between A,B,C. If you do not indicate a choice, you will receive the default option"

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Default effect:

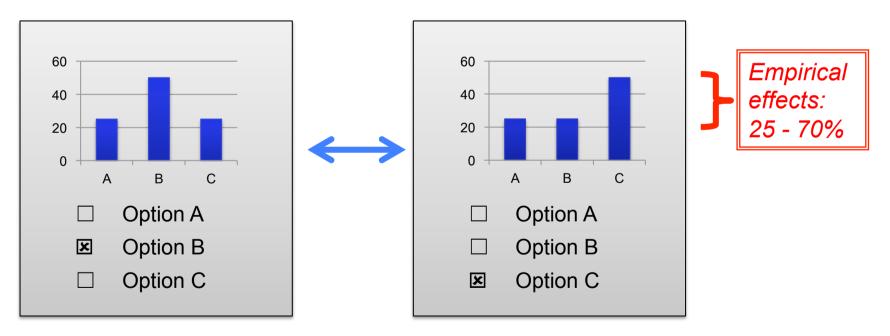


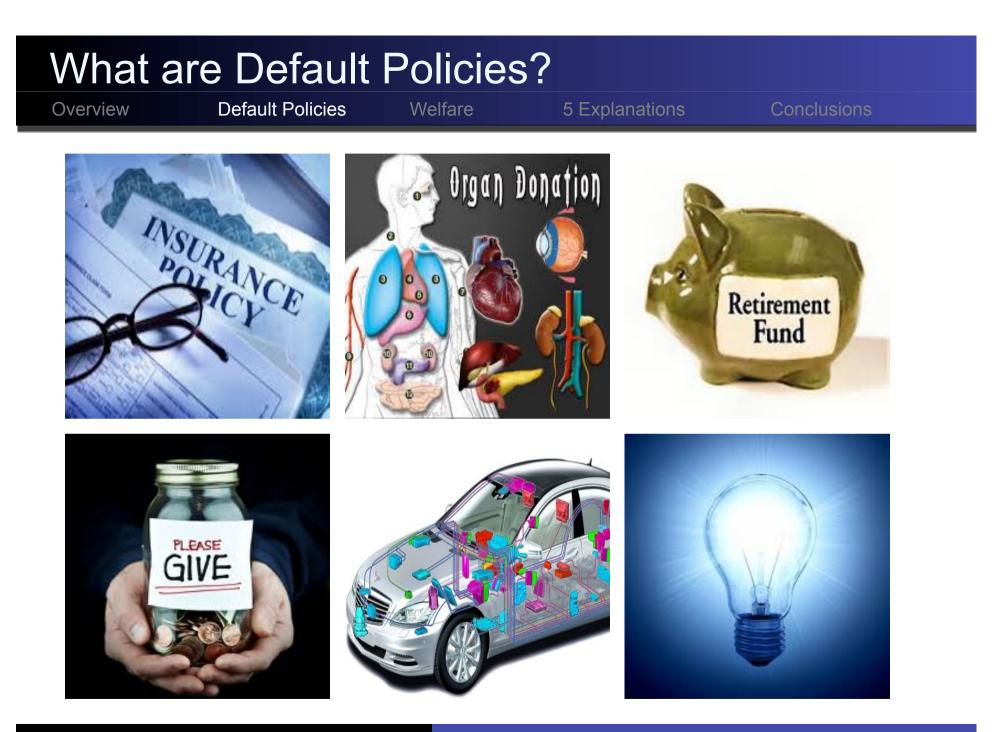
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Policy maker sets the default with the purpose of making more people end up with the default option

- for their own good
- for some other (e.g. social or commercial) reason





What Welfare Criterion? Overview Default Policies Welfare 5 Explanations Conclusions

"In some cases individuals make inferior decisions in terms of **their own welfare** decisions that they would change if they had complete information, unlimited cognitive abilities, and no lack of selfcontrol." (Sunstein and Thaler 2003, 1162)

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"Note that defaults can lead to two kinds of misclassification: **willing donors who are not identified** or **people who become donors against their wishes**." (Johnson and Goldstein 2003, 1339)

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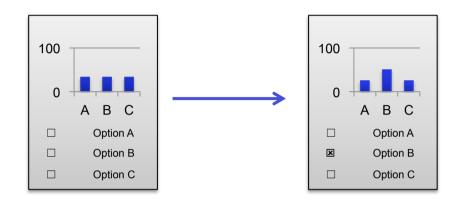
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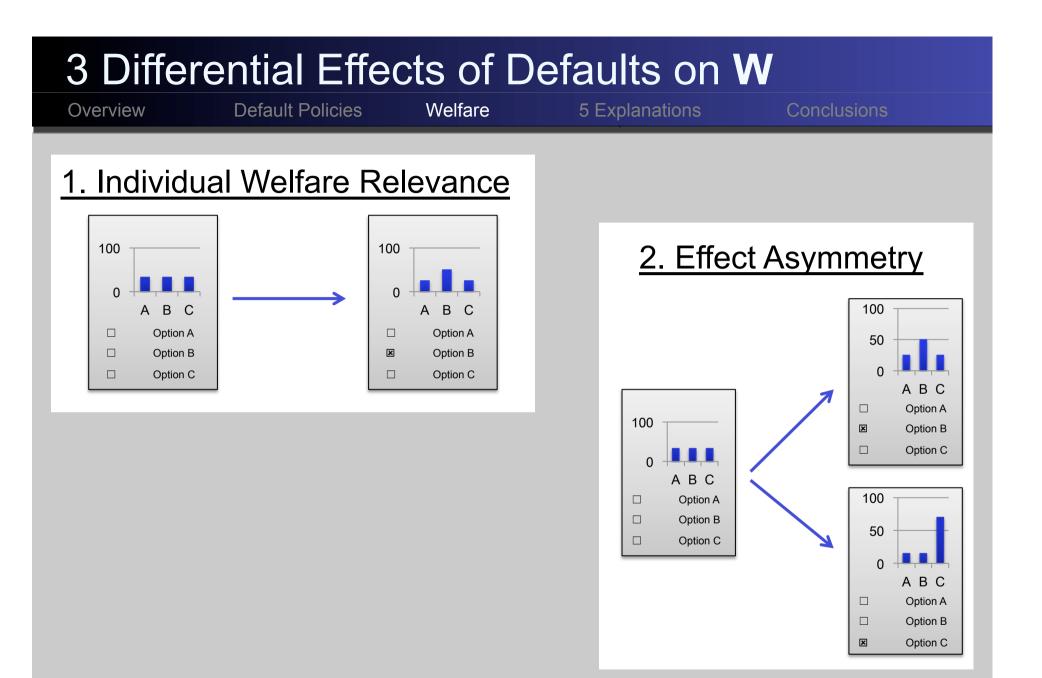
W = Proportion of people who have their optimum (according to their true preferences) satisfied.

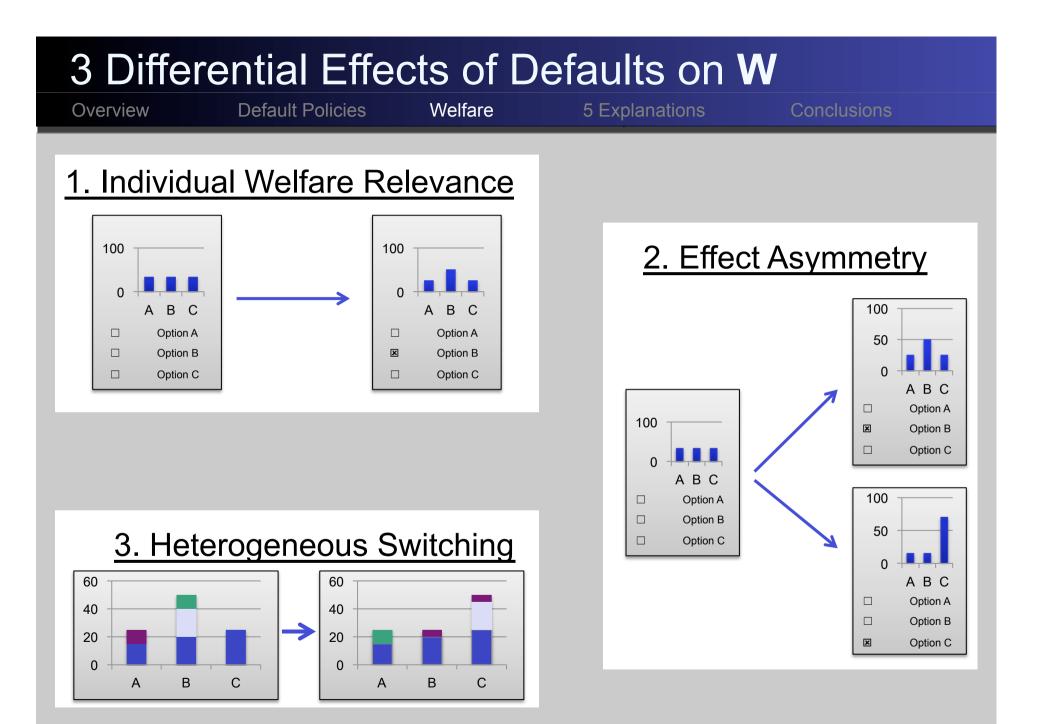
3 Differential Effects of Defaults on W Overview Default Policies Welfare 5 Explanations Conclusions

1. Individual Welfare Relevance



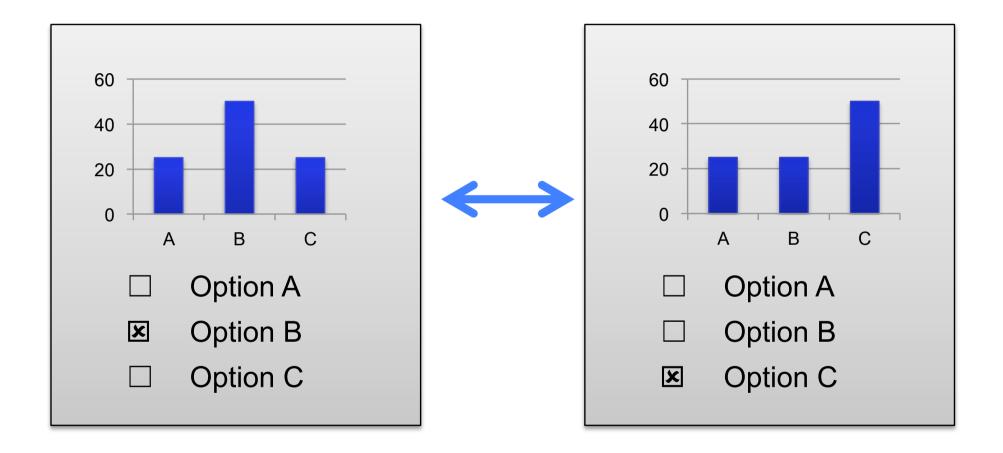
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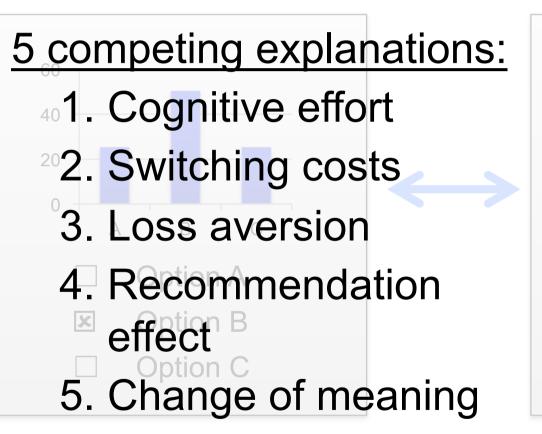


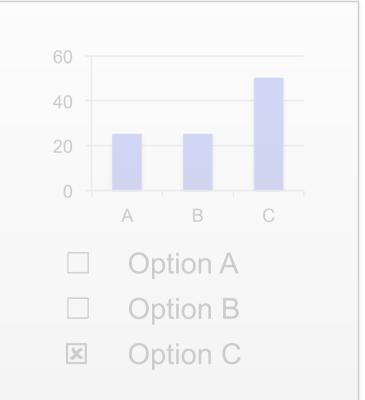
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What Brings About Default Effects? Overview Default Policies Welfare 5 Explanations Conclusions





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5 competing explanations:

- 1. Cognitive effort
- 2. Switching costs
- 3. Loss aversion
- 4. Recommendation effect

Resolution of preference conflict too much effort. Choose with default heuristic instead: *"If there is a default, do nothing about it"*.

5. Change of meaning

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- 2. Symmetric
- 3. Heterogeneous switch

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Choosing non-default option incurs costs in terms of time, search effort or money.

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Chooser interprets default as signal from policymaker that default option is particularly recommended.

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Setting default affects meaning of options. E.g. under opt-in, being a donor means something different than being a donor under opt-out.

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Summary: Differential W-Effects by Explanation

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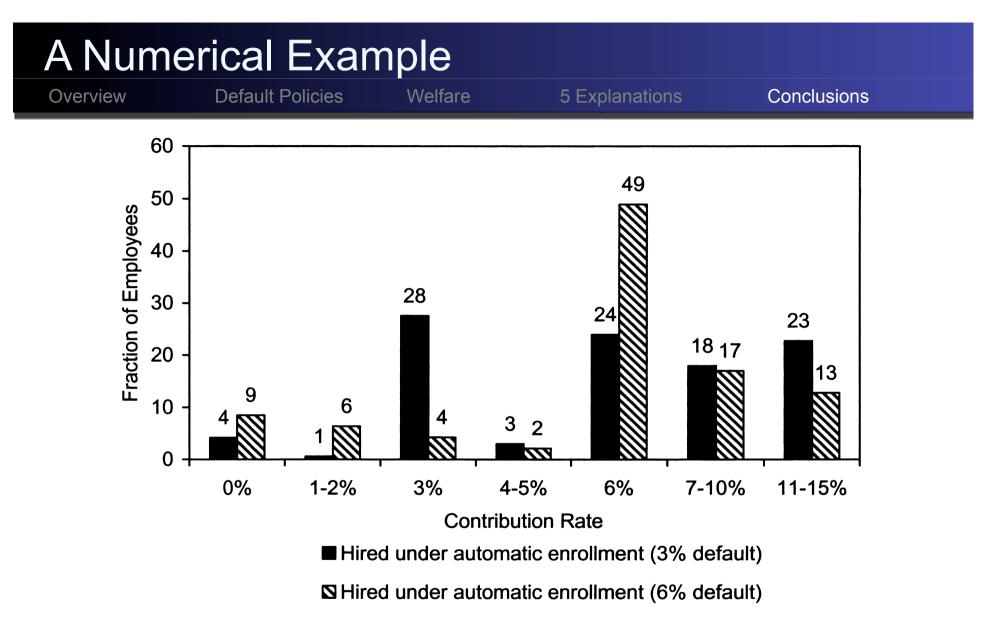
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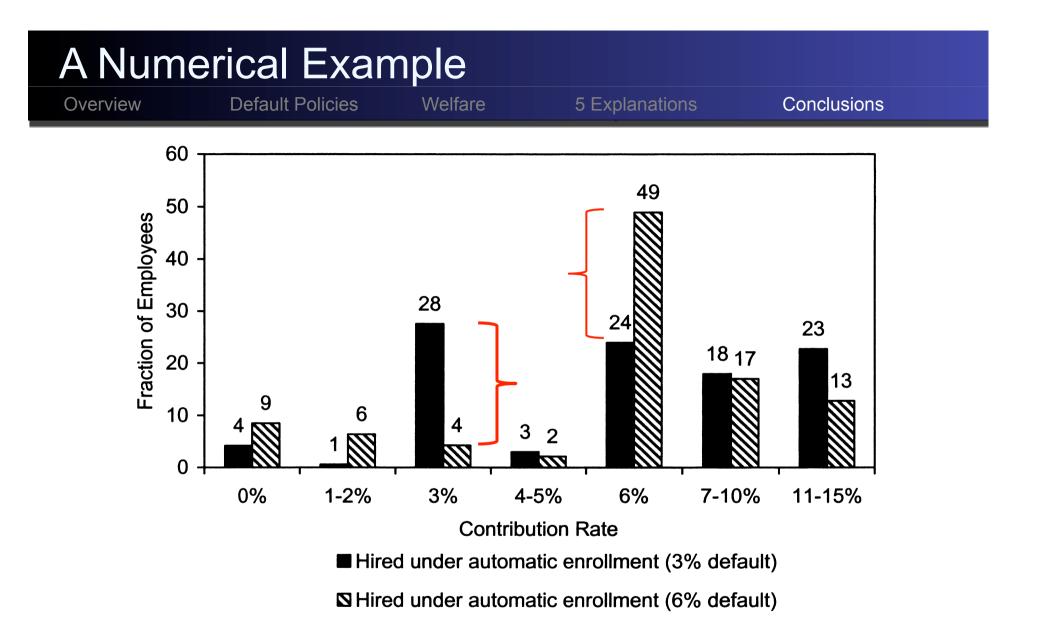
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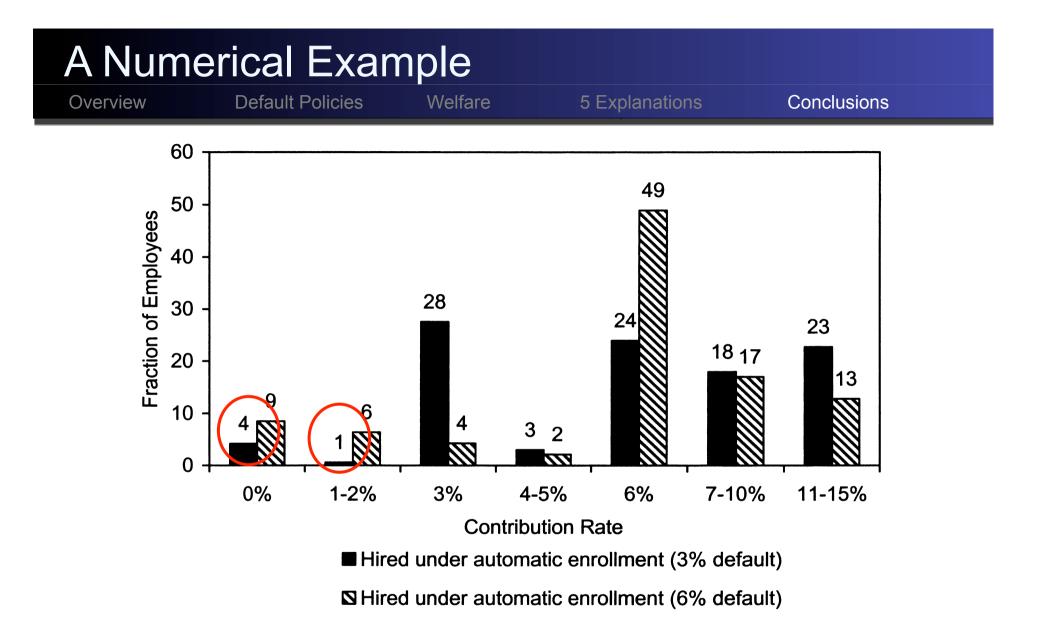
	Individual welfare relevance	Asymmetric effect	Heterogeneous Switching
Cognitive effort	No	Symmetric	Heterogeneous
Switching costs	No	Symmetric	Homogenous
Loss aversion	No	Asymmetric	Heterogeneous
Recommendation	Yes	Asymmetric	Homogenous
Meaning Change	Probably yes	Asymmetric	Heterogeneous

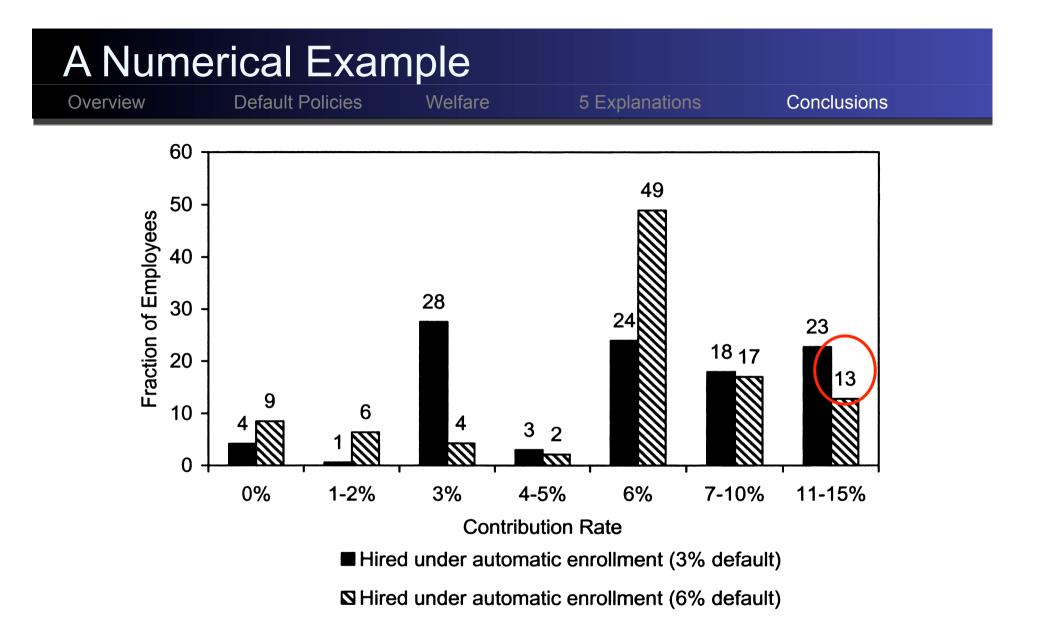


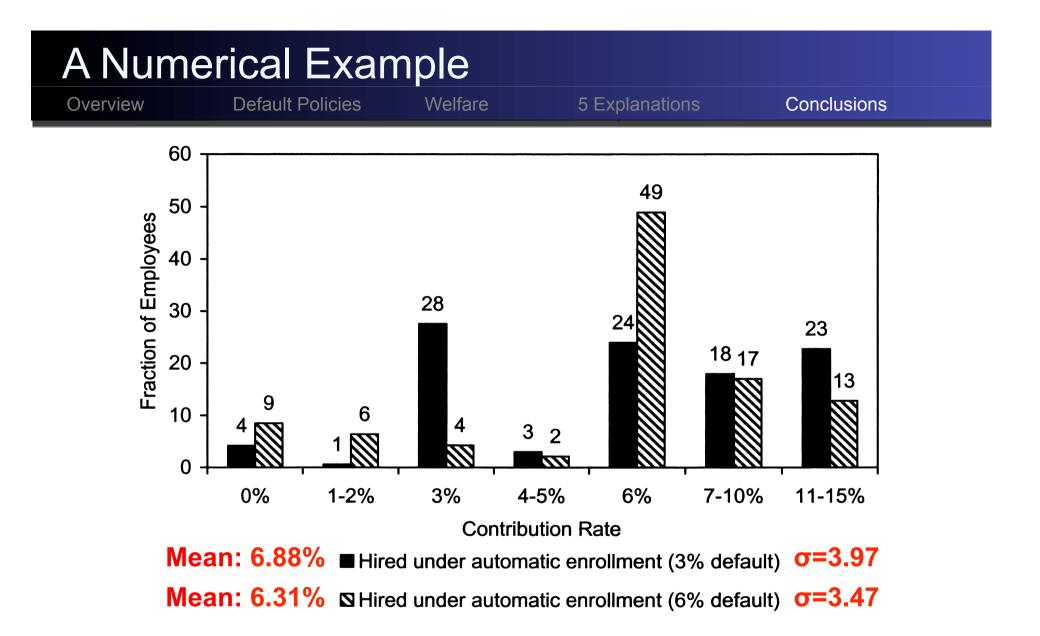
Distribution of 401k contribution rates under two defaults (Beshears, Choi, Laibson and Madrian 2009, 173)

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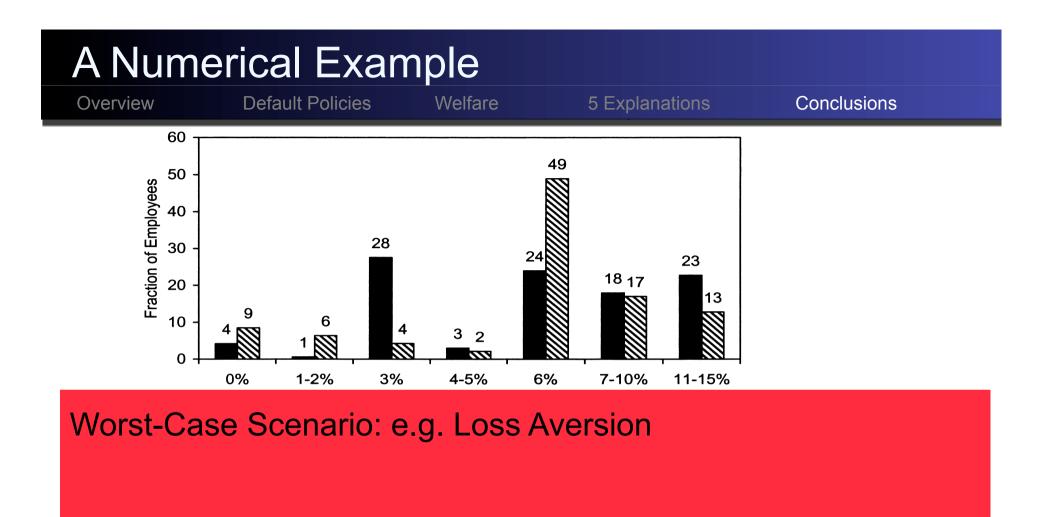




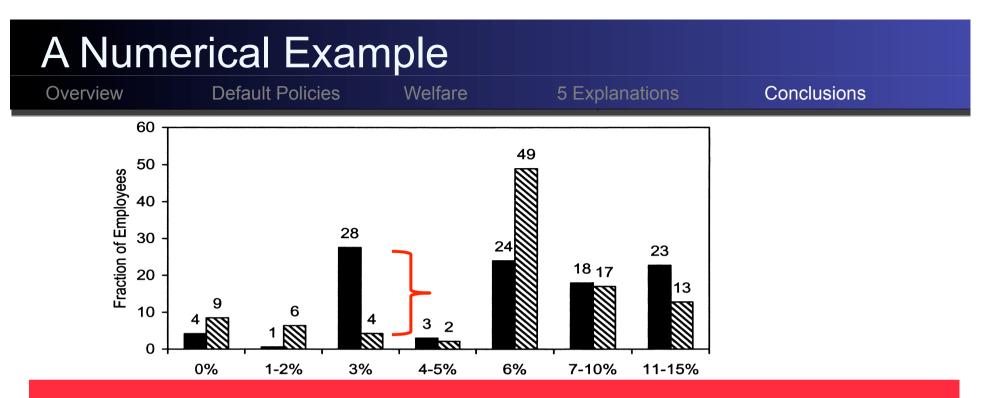




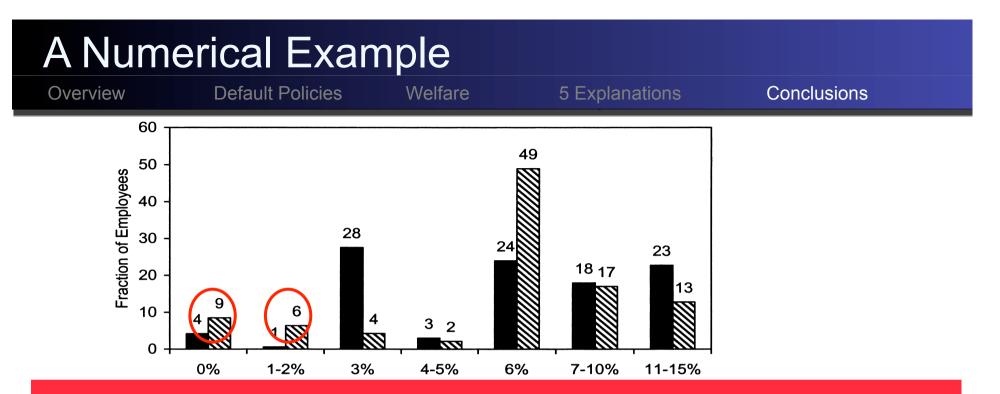
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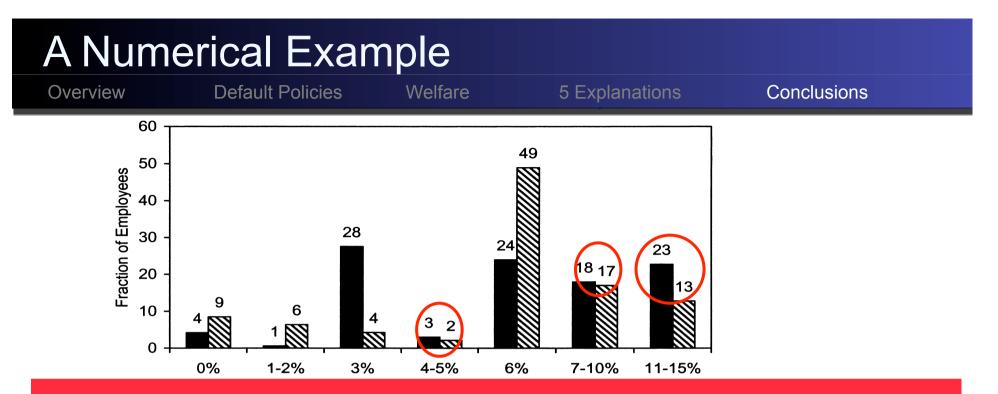
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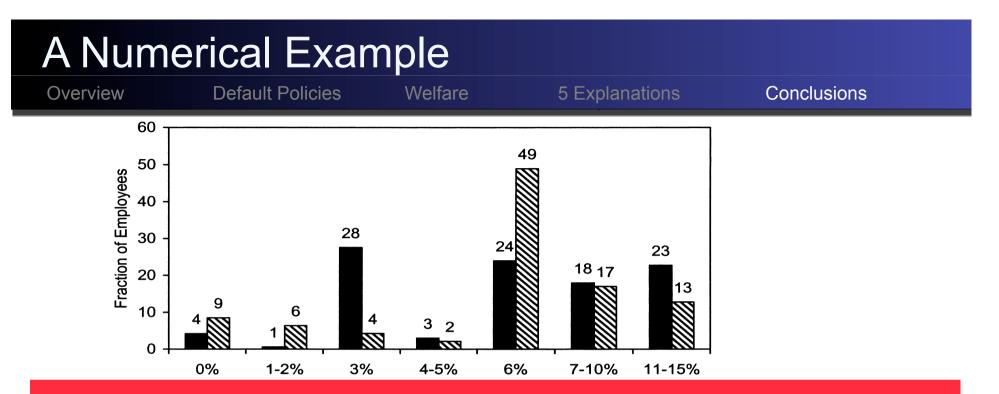
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- Default switched to 6%:
 - 5+5=10 switch from default to non-default

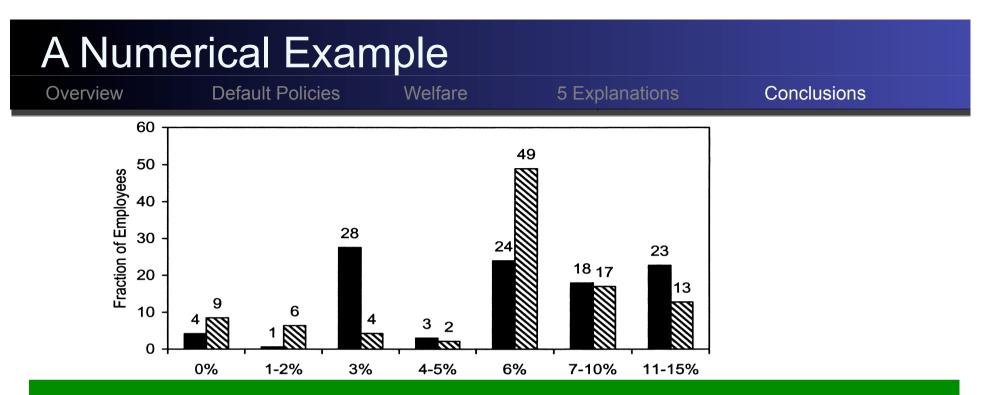


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Altogether 46 individuals choose against their true preferences



Best-Case Scenario: e.g. Recommendation Effect

- Default set at 3%: 24 adjust their preferences according to recommendation
- Default switched to 6%:
 - For 10, new recommendation isn't strong enough to choose default
 - For 12, recommendation is strong enough to choose default

Everybody's welfare-relevant preferences are satisfied



- Non-robustness result: welfare assessment of default policy depends on assumption about underlying causal mechanisms
- Need for detailed investigation of context before policy is implemented
- A welfare economics that relies only on choices and ancillary conditions (e.g. Bernheim & Rangel 2009) is hopeless