

**What Will We Witness
 When We Seriously Try to Boost Fertility?**
 — Normative constraints
 against universal child benefits —

田中 重人 TANAKA Sigeto
 (Tohoku University)

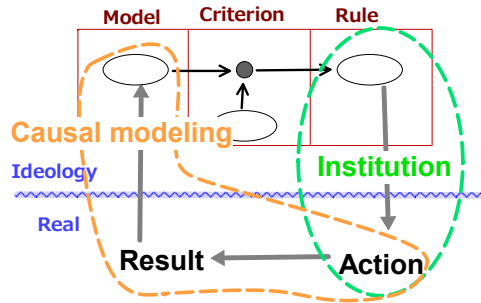
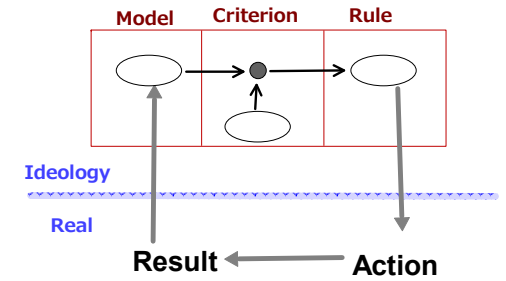
Is sociology useless?

Survey data analysis
 Findings (about causality)

→ **So What?**

IIDCM

Ideology-
 Institution
 Dynamics with
 Causal
 Modeling



Japan Sociological Society meeting

Sep 20 Waseda

<http://tsigeto.info/15x>

Glossary

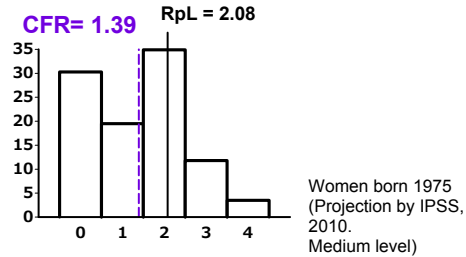
CFR **RpL**
WLB **UCB**
PPR **RE**

Question

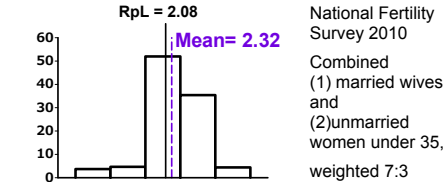
How to raise fertility up to RpL?

From policymaker's view

Distribution of child number



Desired child number



Incentive to have children more than desired

A WLB-resistant society

Child-care leave
 Growth in day-care capacity
 But low fertility

Why is WLB so ineffective?

Answer 1: Because people do not want
 Women want to continue career: **30%**
 Women continuing career: **20%**
 Children (aged 1-2) in day-care: **30%**

Data: National Fertility Survey 2010,

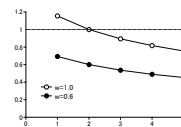
Answer 2: Fundamental limit in WLB effect

Model of equivalent income

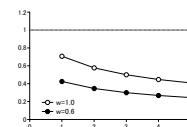
$$\frac{y(x)}{s} = \frac{wm + bx}{\sqrt{m + x}}$$

x: number of children y: equivalent income
 s: income when single and no child
 b/s: benefit per child
 w: WLB effect
 m: number of adult member in household

2-parent (m=2)

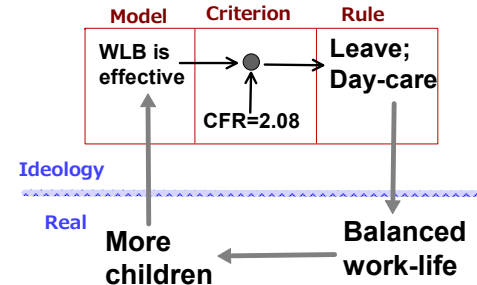


1-parent (m=1)

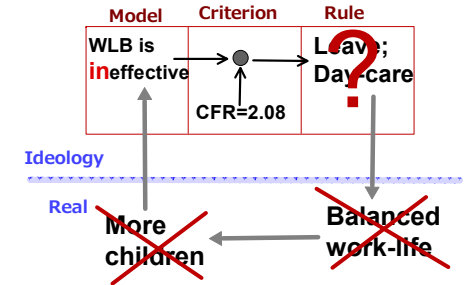


No incentive except 1st child for 2-parent with WLB

WLB justified by ideology



Ideological feedback



Sankei's proposal

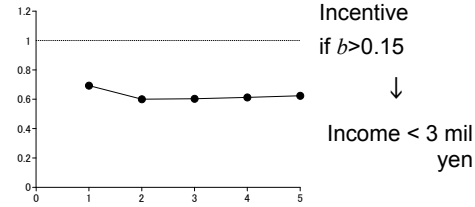


¥ 10 mil.
for 3rd and
subsequent
children

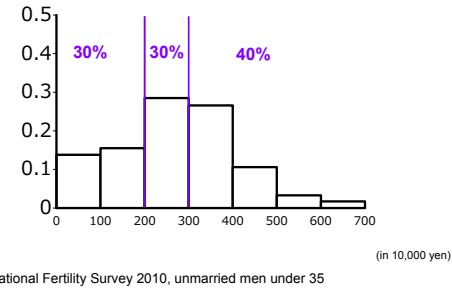
Sankei Shinbun 2015-06-21

Effective?

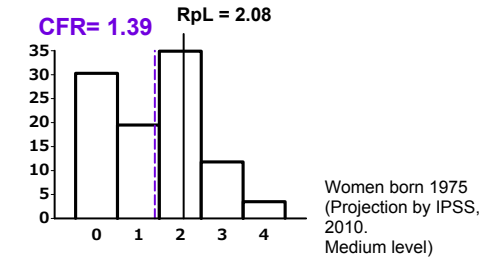
500,000 yen per child (3rd, 4th....) × 20 years



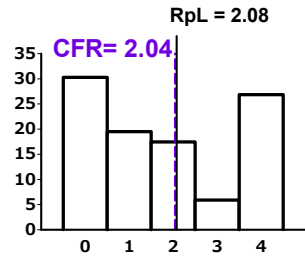
Distribution of income of young men



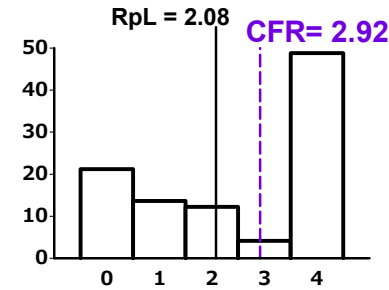
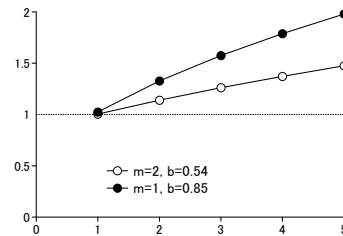
Distribution of child number



Effect expected for Sankei's proposal



Expected effect of UCB



How much does it cost?

Threshold:
 $b = 0.83$ (for 1-parent)
Sufficient level:
1.6 million yen/year (per child)

=About **0.4 × GDP per capita**

Normative constraint 1:

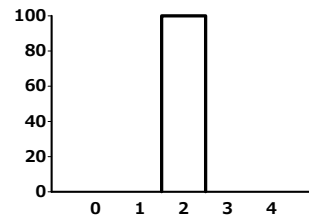
Who is responsible to maintain child?

PPR: Parents' primary responsibility to maintain children

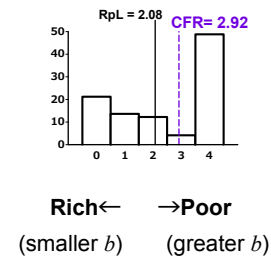
Incompatible with UCB

Normative constraint 2:

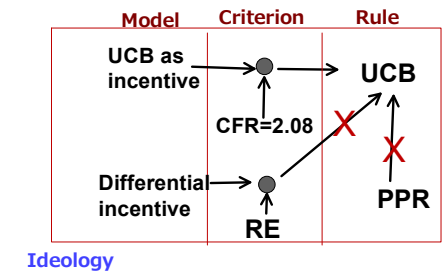
Reproduction egalitarianism (RE)



Class Differentials



UCB on IIDCM framework



Probable scenario 1

High UCB and drastic changes of family

- Govt maintains children
- Social div of reproduction

Probable scenario 2

- Ineffective WLB
- Low fertility
- Unchanged family