

Fiscal Stimulus and Household Debt Through the Lens of 80-million Loan Accounts

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Big picture

New research frontier from a rare access to NCB data

- Wealth of information is yet to be explored by researchers
- Data is currently used by banks to evaluate individual borrowers, but never at the national coverage

Potential to provide economic insights and policy implications

- This paper evaluates the first-car rebate program.
- Paper mentions other fiscal stimulus programs: recent low-cost housing program, exemption of real-estate transfer fee, the rice-paddy pledge program
- Why not macro-prudential measures?

Evaluating the first-car rebate program

Noble effort to evaluate a fiscal stimulus program with such widespread and long-lasting impact

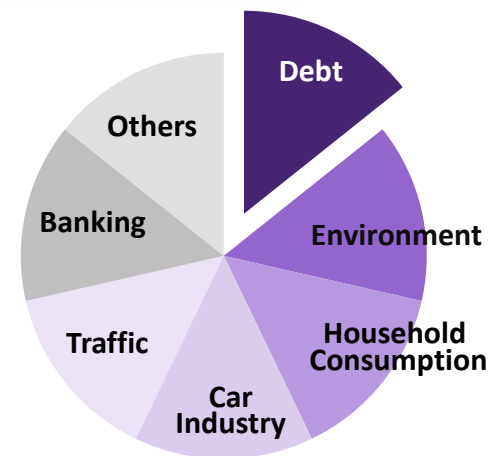
- At the onset, few people foresaw the magnitude of impact on traffic, household consumption, banking industry, car industry, used and new.

Careful analysis with room for improvement to strengthen the results

- Discussion from a bank's perspective

Interpreting the results for policy implications

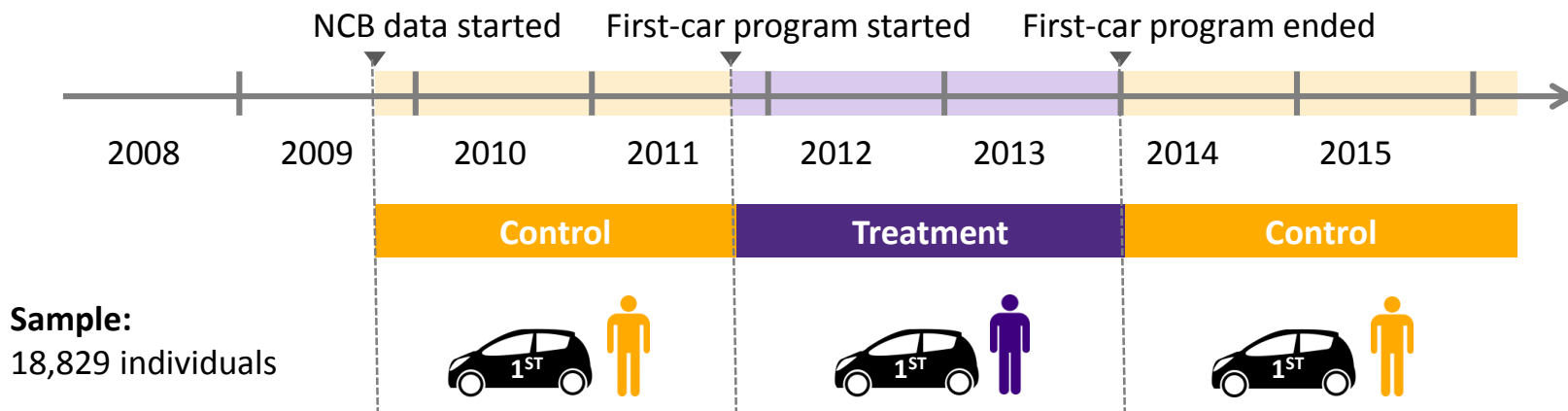
- Now that we find its side effects, do we tell policymakers not to use it?
- What are the trade-offs for this policy?
- Is there anything policymakers could do to prevent side effects?



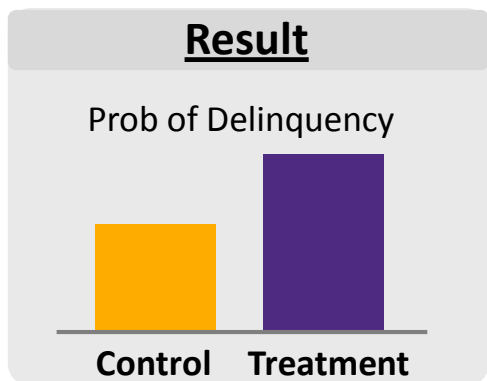
Shouldn't the emphasis be on policy, instead of data?

Research methodology

Challenge: Choosing the right comparison to get at the true effect of the program



Assumption: Treatment and Control are similar except for the first-car rebate participation



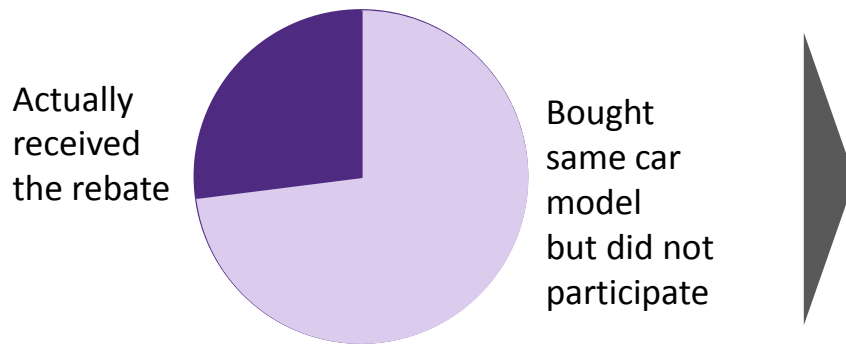
Potential problems:

- 1 Mis-identification of the Treatment group
- 2 Too many moving parts
- 3 Interpreting the results for banking implications

1 Mis-identifying the Treatment group

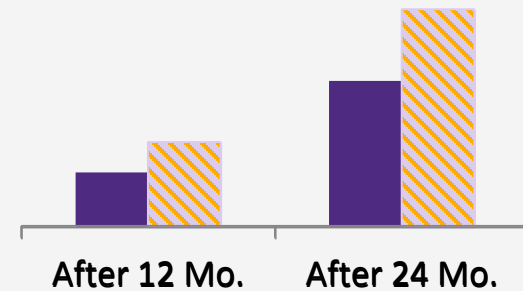
Over-counting the treatment group may be a larger problem than previously thought.

Treatment as defined in the paper = individuals that purchased a qualified car model during Sep 11 – Dec 13 and the purchase was the first car since Dec 09



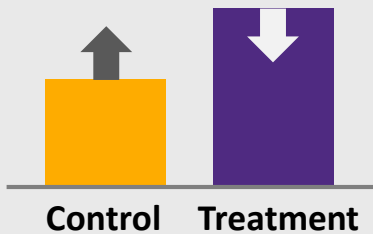
Non-participants in the Treatment group performed worse in terms of loan repayment.

%NPL by group



Result

Prob of Delinquency



Suggestion

- Merge with more data sets
- Add policy variables in NCB data in the future

*Diagrams are not to exact scale.

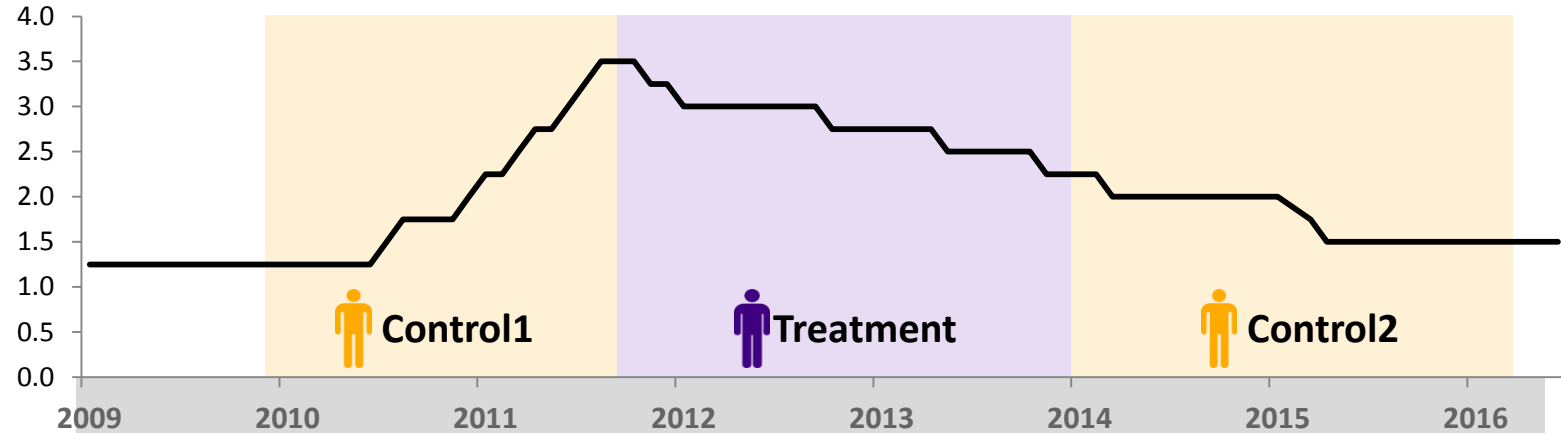


2 Too many moving parts

Several determinants of hire purchase repayment behavior changed over time.

BOT's policy interest rate

Unit: %



Eco-car timeline:

Introduction of the first eco-car model (March 09)

3 eco-car models available at launch



8 eco-car models available at the end of program

11 eco-car models available

Suggestion

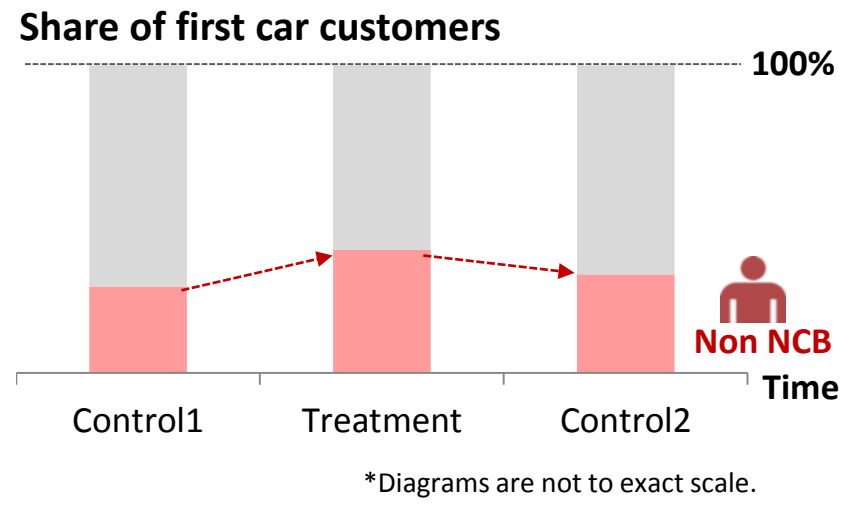
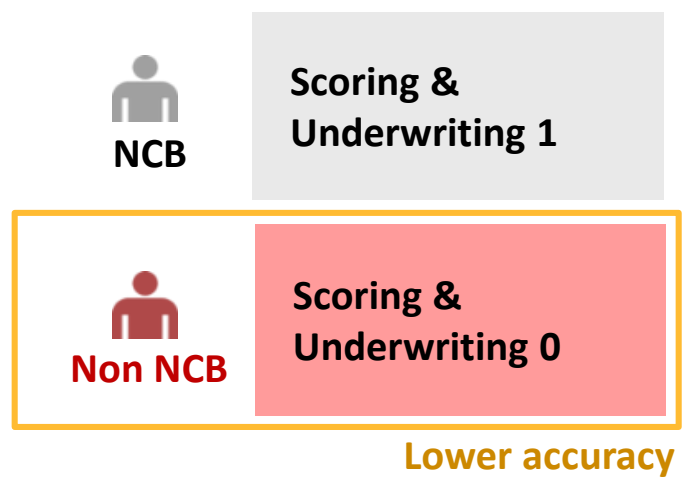
- Distinguish between Control1 and Control2

Source: Bank of Thailand

3 Interpreting the results for banking implications

Results: Higher delinquency among program participants

Customer types:



Implication: Banks may have failed to detect bad vs good borrowers with this program

Suggestion

- Banks to improve on the model for Non-NCB customers
- Broadening NCB coverage to utility bills, co-ops, etc.
- Regulator to consider macro-prudential policy adjustment in response to future fiscal stimulus measures

In Conclusion

- Ask a bigger question to get a more complete picture for policy analysis
- NCB to broaden coverage and other variables, if utilized for evaluating policies
- Merge with other data sets for deeper and broader analysis
- Potential implications for macro-prudential measures in response to a fiscal stimulus program
- More collaboration between researchers, banks, and regulators on NCB data and others, provided that confidentiality conditions are strictly followed