Subject and contribution	<b>Methodology and results</b>	Comments	Other suggestions

What drives the expansion of the peer-to-peer lending?

Olena Havrylchyk, Carlotta Mariotto, Talal Rahim, Marianne Verdier

Discussion by Sara Biancini

Janvier 2017

What drives the expansion of the peer-to-peer lending?

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Subject and contribution ●○	<b>Methodology and results</b>	Comments	<b>Other suggestions</b>

- Is P2P lending a potentially disruptive innovation? Important topic and very welcome analysis in the paper.
- Very young industry, mainly post 2007 financial crisis... difficult and challenging to predict the evolution of the sector.
- More on the size of the phenomenon? Figure in the paper shows exponential growth. But in %?

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Three hypothesis:

competition-related;

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- Internet-related.

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- Econometric identification of the drivers of P2P lending diffusion relies on geographic heterogeneity across US Counties.
- Data from the US platforms Lending Club and Prosper (2006-2013).
- Matched with county-level industry and socio-economic characteristics (+ innovation).

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#### • Estimation method: spatial autoregressive model.

- Allows to test (separately) the three alternative hypothesis and to consider spatial diffusion (impact of adoption in neighbour counties).
- Coefficients are significant and coherent across specifications (size and signs).

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Empirical strategy: based on the hypothesis of spatial correlation. Tested?

- Alternative models inspired by the innovation literature: logistic diffusion models...
- The autoregressive term is strongly significant. But, do the other explanatory variable have high time variation? If not, risk to capture something else?
- More in general, details on spatial vs time variation in the sample could be interesting.

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- Alternative explanation: small markets (high costs/risks foreconomic, historical reason) are associated with both high concentration/low development of P2P lending.
- It could be interesting to have an "entry model" (explain how P2P lending appears in a County), also because of possibly many zeros in the dependent variable. Some two-stages procedure ?

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- ► Not significant.
- Still, the crisis could have a global effect on the attitude towards alternative kinds of finance... This might have an impact on future developments.

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### Interesting hints from the socio-demographic controls.

- Race? (supply/demand, what information on the project)?
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  Platforms could cream-skim when competing with payday lenders.
- Maybe try to find other variables, i.e. volumes instead of ratio of non-bank establishments. Complementary development (both competes primarily with banks) or substitution (direct competition)?

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#### More hints on how to model the industry? Platform pricing?

- Is the evidence consistent with standard two sided market models (role of externalities)?
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In the separate estimations, the size of coefficient seems to be driven by Lending Club. Can you guess why? Is there any difference if the model is estimated only from 2007 (when both platforms exist)?

Do the two platforms initially diffuse in the same places or in different Counties?

Last small point about inference: are the standard errors clustered? At the County level?

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