

Dual Credit Markets: Income Risk, Household Debt, and Consumption

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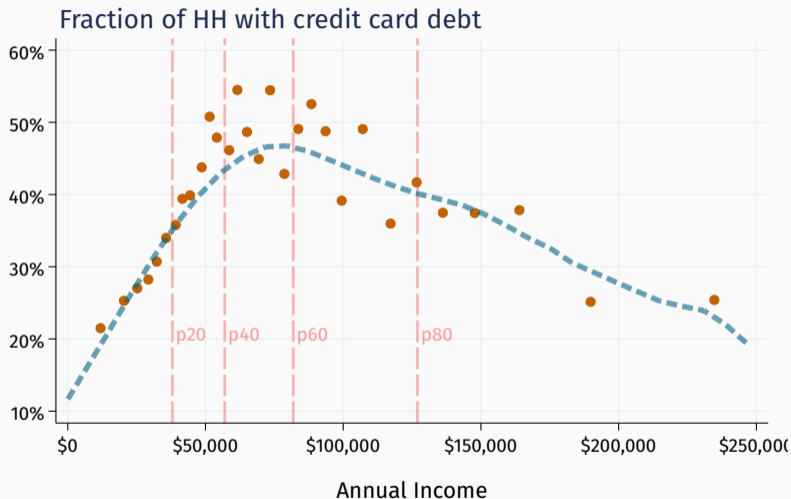
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Credit is an important source of insurance

- Of the **4 in 10** US adults anticipating difficult meeting an unexpected **\$400 expense**, **credit cards** are the most cited tool they expect to rely on (SHED, 2019)
- 43% of US households experiencing an **income shortfall** report turning to borrowing (SCF, 2016)
- Credit access can support consumption during unemployment, allowing for extended search and leading to **better re-employment outcomes** (Herkenhoff, Phillips, and Cohen-Cole, 2022)

Risk can limit low-income households' access to credit



Source: Bornstein and Indarte (2023), 2017 PSID data

New in this paper: temporary vs permanent workers

- Temporary workers use less credit and are less successful when applying
 - ▶ Both secured and unsecured; temporary workers are less likely to own homes
- Labor laws improving job security for temporary workers \Rightarrow improve credit access
 - ▶ Including mortgages, increasing homeownership
- In the US, lack of homeownership among temporary workers concentrated among "involuntary" temporary workers
- **Big picture:** reducing risk/increasing insurance can improve credit access!

In theory, it's not obvious what to expect wrt supply/demand

- **Demand**

- ▶ More insurance \Rightarrow **lower** demand for credit to cope with shocks (Herkenhoff et al. 2022)
- ▶ More insurance \Rightarrow **higher** demand for credit (weaker precautionary savings motive) (Vats, 2023)

- **Supply**

- ▶ More insurance \Rightarrow **lowers default** risk \Rightarrow **raises** supply of credit (Bornstein and Indarte, 2023)
- ▶ More insurance \Rightarrow **raises default** risk (financial autarky is less painful) \Rightarrow **lowers** supply of credit (Krueger and Perri, 2011)

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- **Advantage of paper's data:** data on credit applications!

- ▶ Job risk \Rightarrow reduces apps, raises anticipated rejections, and increases actual rejections
- ▶ In particular, $\% \Delta$ applications = $\% \Delta$ expect to be rejected \Rightarrow suggests expectations may explain most of the "demand" response

Comment 1: Relationship Between Temporary Worker Status and Credit

Who are temporary workers?

- Are temporary workers also more likely to have...
 - ▶ Worse credit history?
 - ▶ Less credit history (due to age)?
 - ▶ More exposure to other shocks (health, expenses, etc.)?
 - ▶ Poorer parents and less access to education and career networks? And less access to parental wealth to help with home purchases?
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- Reverse causality? Worse job outcomes due to...
 - ▶ Employers screening workers based on credit history
(Bos, Breza, and Liberman, 2018; Corbae and Glover, 2022)
 - ▶ Lack of credit access limiting job search
(Herkenhoff, Phillips, and Cohen-Cole, 2022)

Learning about selection on unobservables

- Coefficients on job loss risk can explain most of the difference in credit outcomes for temporary vs permanent
 - ▶ But if job risk is endogeneous, we can't be sure that this doesn't reflect confounders or reverse causality
- **Suggestion:** implement an Oster (2019) style test
 - ▶ Idea: want to see that R^2 rises a lot when controls are added *and* the coefficient doesn't change much
 - ▶ If selection on unobservables is similar to observables, this would indicate limited bias
 - ▶ State-of-the-art generalization of Oster (2019): [Diegert, Masten, and Poirier \(2022\)](#)

Comment 2: Quasi-Experimental Variation in Employment Protection

What drives variation in worker protection laws?

- What kind of countries tend to promote increased job security?
 - ▶ Those with more generous social insurance?
 - ▶ Higher taxes?
- Within countries, policies may be accompanied by other labor market reforms
 - ▶ E.g., changes to unemployment insurance and welfare in Germany's Hartz reforms
- Regressions could conflate effects of employment protection laws and other cross-country differences or contemporaneous policies

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 - ▶ Paper discusses non-compliers whose jobs are so secure that they're unlikely affected
 - ▶ **Suggestion 2:** Can you find sets of industry/occupation groups that differ in exposure?

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 - ▶ **Suggestion 2:** Can you find sets of industry/occupation groups that differ in exposure?
- My suggestion #2 is similar in spirit to the current regression specification!
 - ▶ Idea: can refine it further if there are clear **legal** differences in exposure
 - ▶ E.g., public vs. private sector workers?
 - ▶ Can you compare workers in the same occupation and country, but different industries? (similarly to Fetter, Lockwood, and Mohnen, 2022)

Comment 3: All the Single Workers

Singles versus couples

- Non-primary earners within couples are more likely to be a temporary worker
 - ▶ They might also not be the primary person originating credit cards or applying for credit
- Overall, temporary workers tend to be single in the paper's data
 - ▶ But lumping singles in with non-primary earners from couples may result in **understating** negative credit effects of temporary worker status
 - ▶ Added worker effect reduces **household** risk
 - ▶ Additional reason permanent workers may have more credit access (and temporary workers in couples)
- **Suggestion:** split results by singles versus couples
 - ▶ Hypothesis: negative effects are concentrated among singles

Conclusion

In conclusion...

- Important question and powerful data sets!
- How do labor market conditions (and labor laws) interact with credit markets?
- Sheds light on broader question of how risk/insurance affect consumer credit markets

Thanks!
