

THAT'S WHAT SHE SAID

An Empirical Investigation on the Gender Gap in Inflation Expectations

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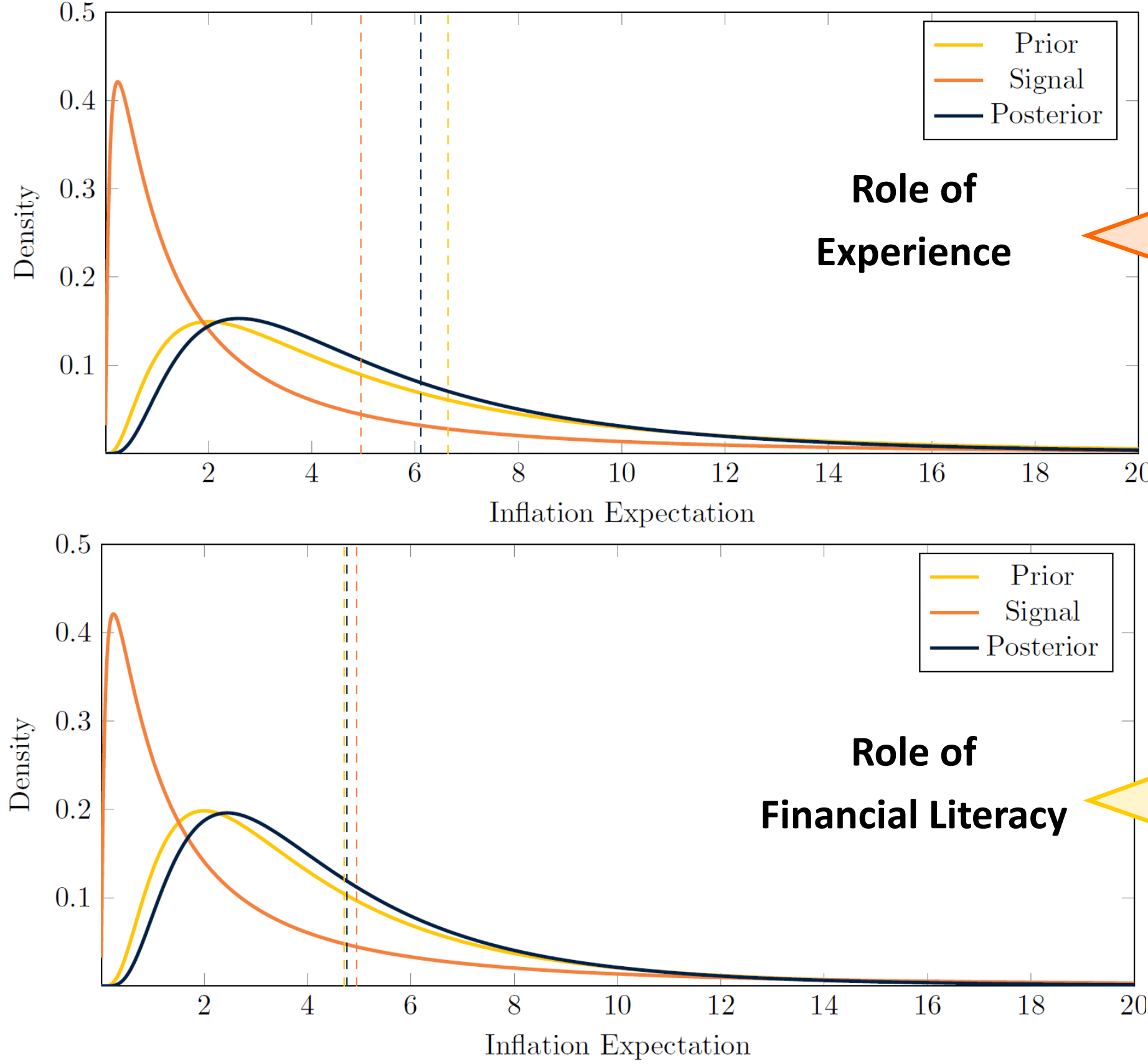
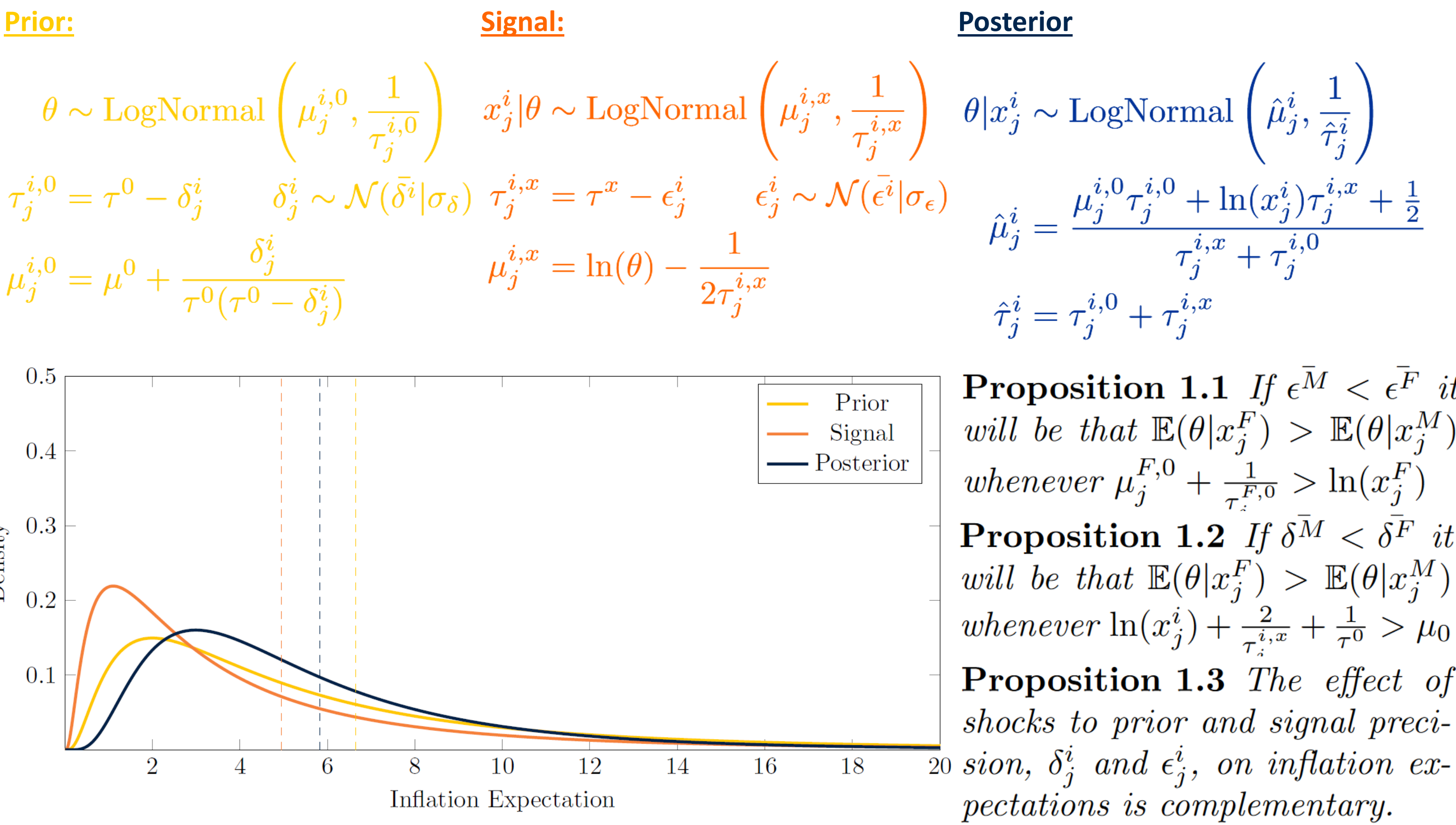
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Why do women have higher inflation expectations?

An empirical fact whose causes matter for (a) women’s investment for retirement and (b) effectiveness of monetary policy communication

1. Bayesian Framework



Increasing signal volatility may increase the posterior mean...

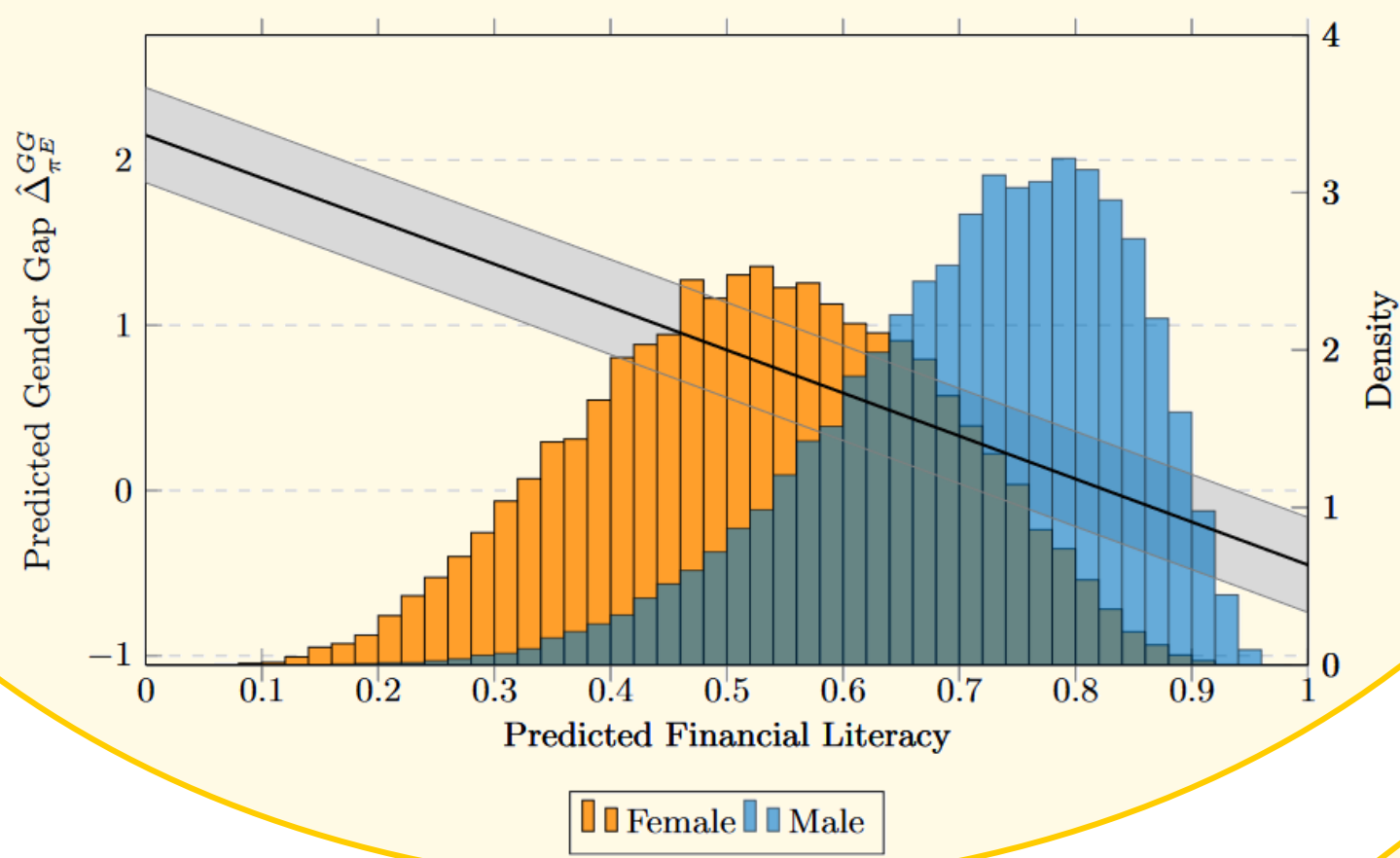
...but whether it will do so depends on the tightness of the prior!

2. Empirics

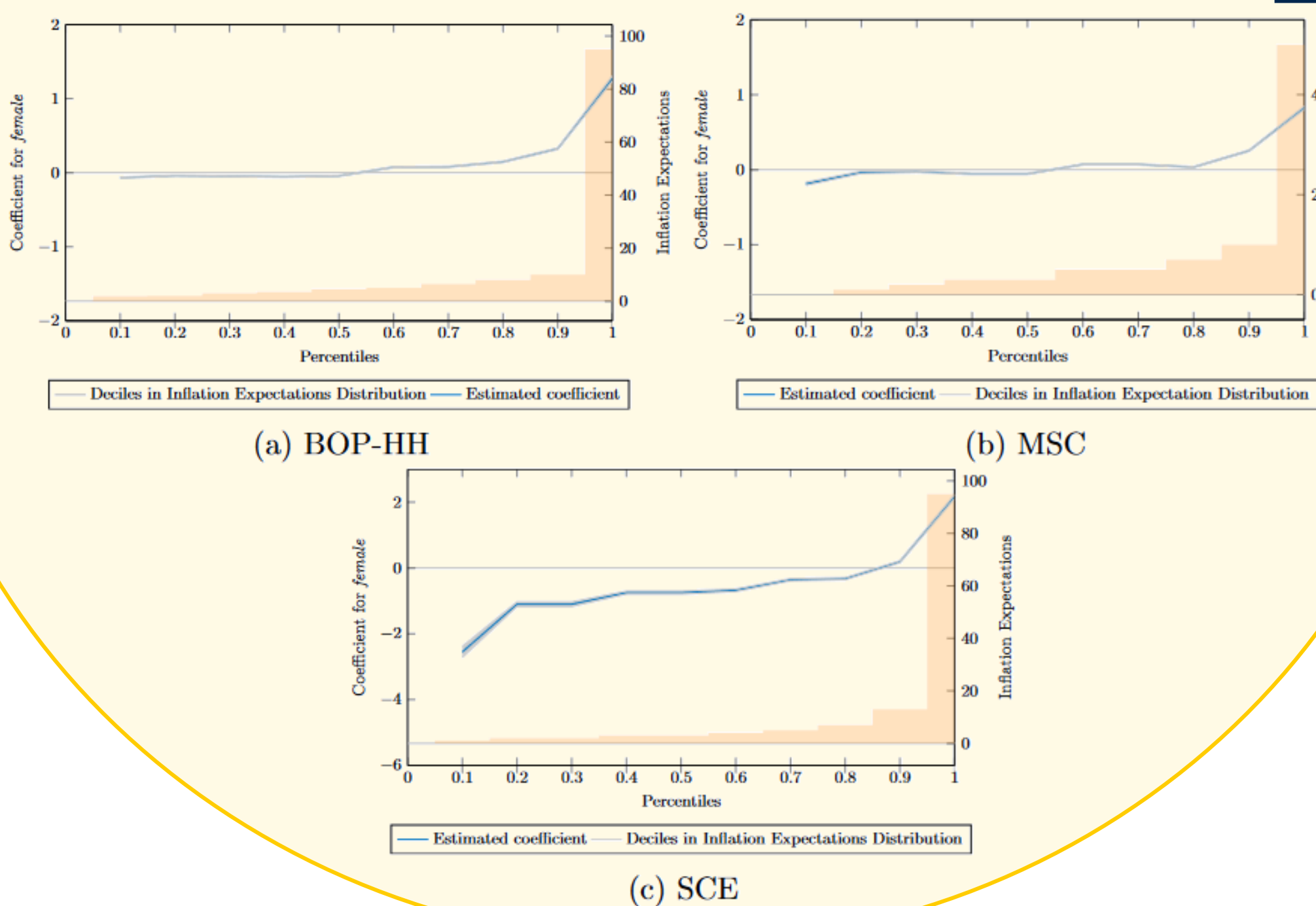
| Bundesbank Online Panel (BOP-HH)                                                                      | FRBNY Survey of Consumer Expectations (SCE)                                        | Michigan Survey of Consumers (MSC)                                                                   |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Timing: April 2020-September 2022                                                                     | Timing: June 2013-November 2020                                                    | Timing: June 1978-December 2022                                                                      |
| Participants: 2.000 German households/month                                                           | Participants: 1.200 US households/month                                            | Participants: 500 US households/month                                                                |
| 1. „Inflation“ qualitatively (5 point scale), quantitatively and probabilistically + short definition | 1. „Inflation“ qualitatively (3 point scale), quantitatively and probabilistically | 1. „Prices in general“ qualitatively (3 point scale) and quantitatively (probing if expectation >5%) |
| 2. Financial literacy test in January 2022                                                            | 2. Financial literacy test                                                         |                                                                                                      |
| 3. Grocery shopping since April 2021                                                                  |                                                                                    |                                                                                                      |

Mechanism: Gender Gaps in Financial Literacy

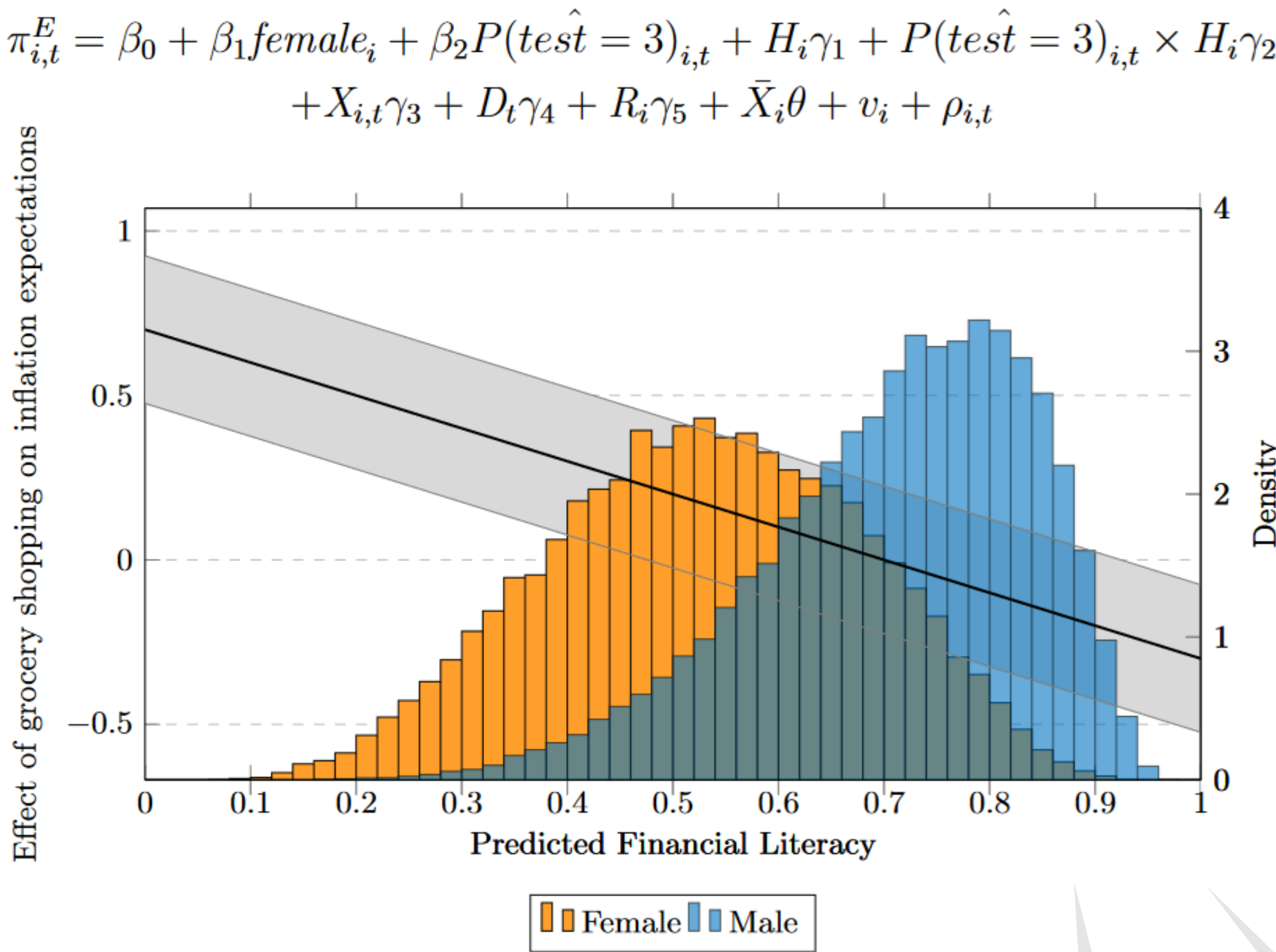
Observation 2.1: The gender gap in inflation expectations diminishes as financial literacy increases.



Observation 2.2: The gender gap in means is driven by the heavy tail in the female distribution. When the sample is restricted to the lowest 50% of inflation expectations, there is no positive gap.



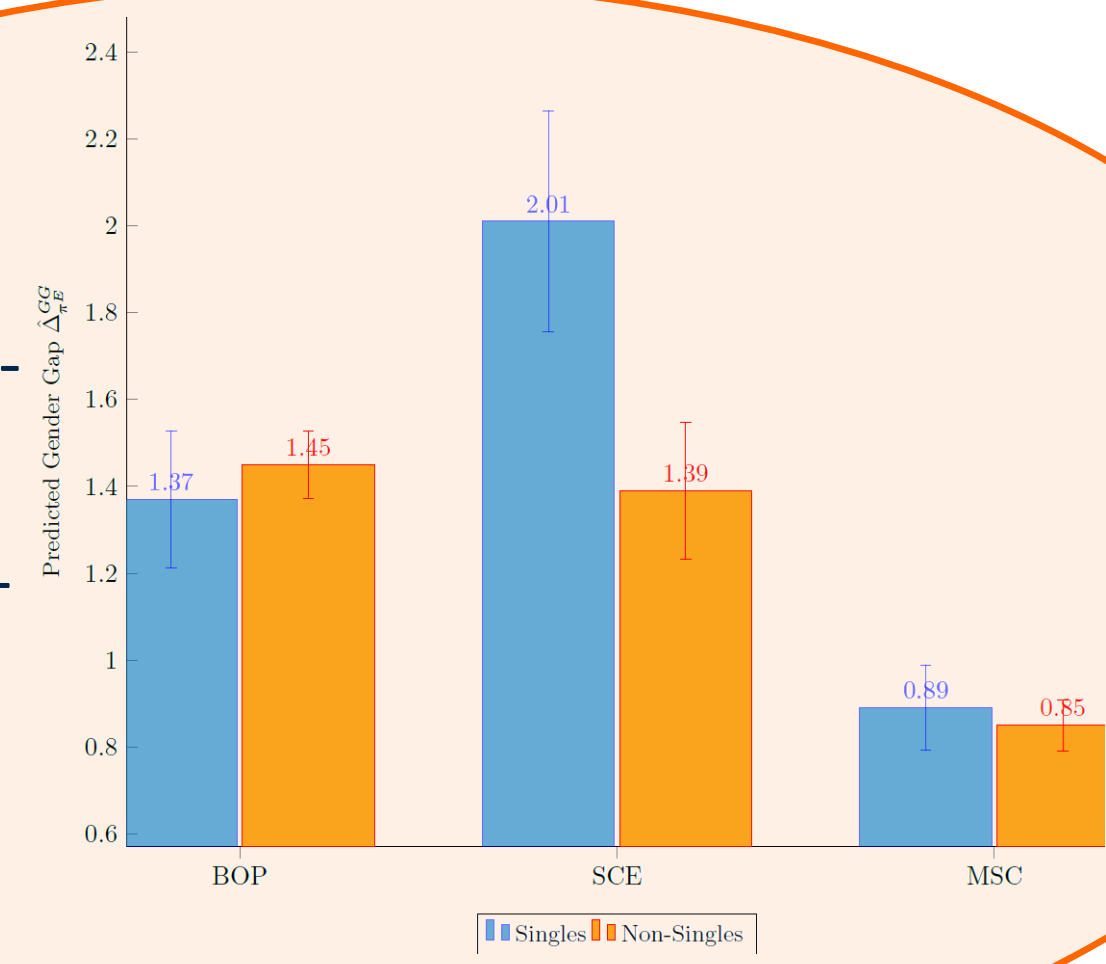
Key Result: Financial Literacy and Experience



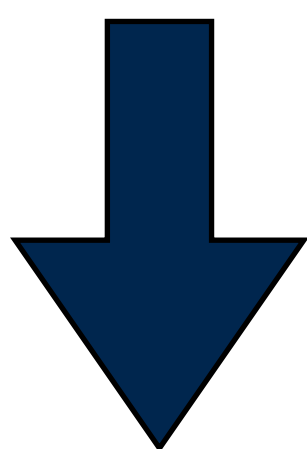
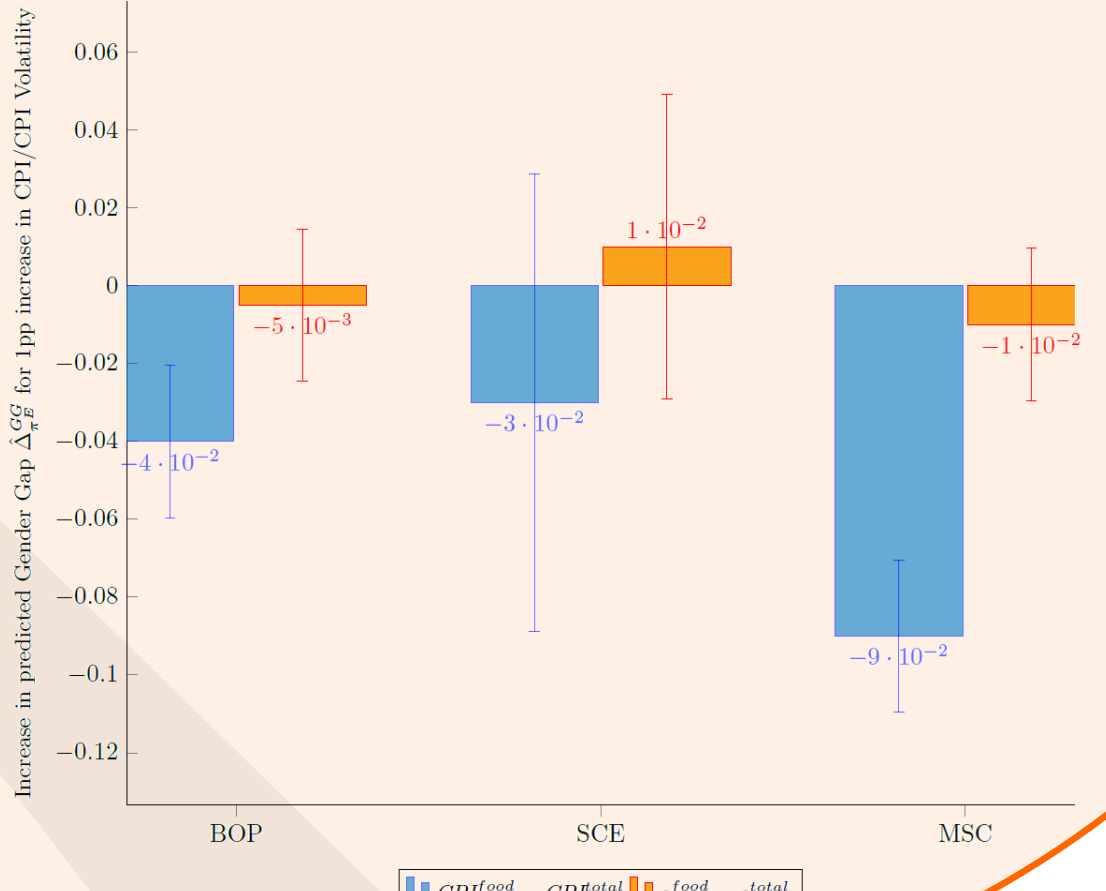
Result: Grocery shopping increases inflation expectations only for individuals in the lowest quintile of the financial literacy distribution (bottom 18.4%) which is dominated by women (share 81.4%).

Robustness

Observation 2.3: The gender gap is not significantly smaller for singles.



Observation 2.4: The magnitude of the gender gap is unresponsive to the size of food price inflation relative to total inflation.



Behavioral consequences?  
Consequences for policy?

Assumptions verified: There are gender gaps in grocery shopping and financial literacy as predicted by previous literature (Bucher-Koenen et al. 2014; D’Acunतो et al. 2021).

Theoretical mechanism verified: Low financial literacy is correlated with high uncertainty in probabilistic forecasts.

