

1. Research Question

- Although it is widely documented that financial literacy and financial education are beneficial in making wiser and prudent financial decisions, it is not clear *whether and how* they can help weather the economic fallout induced by the COVID-19 pandemic?
 - Stantcheva (2022) showed that vulnerable groups, such as low-income workers, were affected more severely and recovered less quickly during the COVID-19 pandemic across OECD countries.



2. The developmental framework

- Consumer Financial Protection Bureau (2016) argues that family and school are the primary platforms for youth to acquire financial capability.
- Financial education provided at the workplace aims to increase employees' financial literacy and prepare them for complex decisions, such as retirement planning (Bayer et al., 2009).

3. Hypothesis

- Research has compiled benefits of financial literacy and education.
- They can help one cope with economic impact of COVID-19 pandemic.
 - more savings or emergency funds helps to weather reduced wages or job loss.
 - understanding of risk mitigates the losses associated with stock market slumps
 - avoid unnecessary debt burdens when borrowing or restructure loan payments
 - deal with public offices or know where or how to access emergency funds.
 - more likely to find another source of compensatory income.

4. Data

- Data were collected from a survey on Japanese individuals
- Implemented in March 2022 by the NTTCom Online Marketing Solutions.
- In total, there is an effective same of 3,492 respondents.



4. Variables on financial well-being during the pandemic

- Questions asked how the annual income (wages, yield, pension) and financial assets (e.g., deposit/stocks) in 2021 changed relative to 2019 before the outbreak of the COVID-19 pandemic.
- Another question asked, "Overall, thinking of your assets, debts, and savings, how satisfied are you with your current personal financial condition?" (March 2022)

4. Model specification

Ordered probit model

- *Dependent variables* are categorical variables for financial wellbeing during the pandemic.
- *Independent variables* pertain to financial literacy and financial education experience.
- · Other control variables
 - age, gender, marital status, jobs, annual income, residential area, educational attainment, the habit of receiving pocket money, and the family's economic condition during childhood.

5. Results (1) on financial literacy

- **Financial literacy**, whether subjective or objective, is more likely to be associated with *financial education received at school or in the workplace*.
- Financial literacy is positively associated with *family economic background* and the *habit of receiving pocket money during childhood*.
 - Consistent with Sansone et al. (2019) analyzing Dutch adults.



5. Results (2) on financial well-being during pandemic

- "Fin. education at school/work only" group has a significantly *lower* chance (by 2%) of financial asset decline during the pandemic.
- "Fin. Teaching by parents only" group only showed a marginally significant effect (by 1%).
- Those with both educational experiences have 3% lower chances (significant).
- *Financial literacy* is significant but the marginal effect is relatively low (by
 - 1.5%).



5. Results (2) on financial well-being during pandemic

- In summary, how one fared financially during the COVID-19 pandemic can be associated with financial literacy and *financial education (particularly at school or the workplace)*.
- However, the benefits seem to be of only a mild magnitude to prevent a decline in income or financial assets.



5. Results (4) men vs women

The effect on financial well- being during pandemic	Men	Women
"financial teaching by parents"	Not significant	Significant
"financial education at school or the workplace"	Significant	< Significant
Both financial education	Significant	< Significant

6. Summary and discussion (1)

- Financial education can increase one's financial literacy and confidence.
- However, the primary source seems to be financial education received at school or in the workplace (rather than financial teaching by parents).
- Financial education in the family helps youth acquire execution functions, financial values and habits.
- School or workplace education provides more consistent financial knowledge for better preparation for complex decisions (Bayer et al., 2009).

6. Summary and discussion (2)

- Those with financial education at school/workplace better weather the negative impacts of pandemic.
- Parents' financial teaching is either statistically insignificant or limited.
- The more structured financial teaching at school and the workplace are more effective in preparing one for making complex decisions.
- However, the effect is only modest. What one can do to protect one's income or wealth is limited in such an impactful financial disturbance.

19

6. Summary and discussion (3)

- Effect of parents' financial teaching is not observed for men, but for women.
- In general, the effect of financial education is greater for **women**.
- One possibility: women are in a disadvantaged position than men. Financial education or literacy is more pronounced in economically-disadvantaged populations.
- Another speculation: *female spouses* predominantly engage in household financial decisions, and spend more time with their children in Japan.

6. Limitations (4)

- Endogeneity issues may not be completely accounted for.
- Survey data may entail recall errors.
- Survey did not identify the types and duration of financial education received.

