Appendices

A Bundesbank Online Panel Questionnaire

This appendix lists the inserted questions in the Bundesbank Online Panel Wave 8. Note that the original questions were asked in German.

| 816A | PRO A1 | Stock market 1 | has_portfolio_[a-d] | | | | |
|---|---|---|---|--|--|--|--|
| A) A fund share dend finances (Examples (market fun | Info box with the following text: A) A fund is a "basket" of many, sometimes very different, securities. A fund share denotes a share in this basket and its income. In some cases, the fund finances only individual projects, such as real estate, ship building or films. Examples of common types of funds are share-based funds, bond-based funds, money market funds, funds of funds, hedge funds, exchange-traded funds (ETFs), shipping funds and media funds. | | | | | | |
| determined be governor Treasury : issued by | B) Fixed income securities are assets which entitle the bearer to a predetermined rate of interest. Depending on who issued these securities, they could be government bonds (such as Federal bonds, Federal savings notes, Federal Treasury financing paper, Federal Treasury notes, municipal bonds, Pfandbriefe issued by central, state or local government), corporate bonds or other debt securities (e.g. bank bonds). | | | | | | |
| the share company. of the con share in | holder (owner This type of s mpany's income the capital of | security that is traded on the s of the security) as being a co-o security therefore usually entitle. The share constitutes a certif a public limited company. | wner of a public limited es the bearer to a share icate which securitises a | | | | |
| | | onavirus pandemic, did you hold the fo | ollowing financial assets directly | | | | |
| 1 = Yes 2 = No | | | | | | | |
| c) Listed sha | ome securities (such ares | has government bonds, corporate bonds and bar has foreign exchange, gold, cryptocurrency) | nk bonds) | | | | |

816B PRO A1 Stock market 1 value_portfolio_[a-d]

Input filter: if has_portfolio_a == 1 OR has_portfolio_b == 1 OR has_portfolio_c
== 1 OR has portfolio d == 1

Info box with the following text:

- A) A fund is a "basket" of many, sometimes very different, securities. A fund share denotes a share in this basket and its income. In some cases, the fund finances only individual projects, such as real estate, ship building or films. Examples of common types of funds are share-based funds, bond-based funds, money market funds, funds of funds, hedge funds, exchange-traded funds (ETFs), shipping funds and media funds.
- B) Fixed income securities are assets which entitle the bearer to a predetermined rate of interest. Depending on who issued these securities, they could be government bonds (such as Federal bonds, Federal savings notes, Federal Treasury financing paper, Federal Treasury notes, municipal bonds, Pfandbriefe issued by central, state or local government), corporate bonds or other debt securities (e.g. bank bonds).
- C) A listed share is a security that is traded on the stock exchange which shows the shareholder (owner of the security) as being a co-owner of a public limited company. This type of security therefore usually entitles the bearer to a share of the company's income. The share constitutes a certificate which securitises a share in the capital of a public limited company.

QUESTION: What is your rough estimate of the market value of your financial assets prior to the coronavirus pandemic?

- a Fundshares [only show item if portfolio_a =1]
- b Fixed income securities (such as government bonds, corporate bonds and bank bonds) [only show item if portfolio b =1]
- c Listed shares [only show item if portfolio c =1]
- d Other financial products (such as foreign exchange, gold, cryptocurrency) [only show item if portfolio d =1]

Show brackets:

- 1 = €1 to less than €500
- 2 = €500 to less than €1,000
- 3 = €1,000 to less than €3,000
- 4 = €3,000 to less than €5,000
- 5 = €5,000 to less than €10,000
- 6 = €10,000 to less than €20,000
- 7 = €20,000 to less than €30,000
- 8 = €30,000 to less than €50,000
- 9 = €50,000 or more

| 817A | PRO A1 | Stock market 2 – change | | portfoli | o_bought_[a-d] | |
|---------|--------------------|--|----------|----------|--------------------|--|
| | | | | portfoli | o_sold_[a-d] | |
| | | | | portfoli | o_unchanged_[a-d] | |
| QUESTIC | ON: Have you bough | nt or sold the following financial assets since the start of the | | | | |
| coronav | irus pan demic? | | | | | |
| | | 1 – Bought | 2 – Sold | | 3 – Neither bought | |
| | | 2 bought | 2 33.0 | | norsold | |
| | | | | | norsola | |
| a) | Fund shares | | | | | |
| b) | Fixed income | | | | | |
| | securities | | | | | |
| c) | Listed shares | | | | | |
| d) | Other financial | | | | | |
| | products (such as | | | | | |
| | foreign exchange, | | | | | |
| | gold, | | | | | |
| | cryptocurrency) | | | | | |

| 817B | PRO A1 | | portfolio_value_bought_[a-d] portfolio_value_sold_[a-d] | | | | |
|------|---|--|--|--|--|--|--|
| - | Input filter: if portfolio_unchanged_a == 2 OR portfolio_unchanged_b == 2 OR portfolio unchanged c == 2 OR portfolio unchanged d == 2 | | | | | | |

QUESTION: Please indicate the amount for which you have bought or sold financial assets <u>since</u> the start of the coronavirus pandemic.

| | | 1 - Bought | 2 – Sold |
|----|---|------------|----------|
| a) | <pre>Fund shares [only show item if portfolio_bought_a =1 OR portfolio_sold_a = 1]</pre> | _euro | _euro |
| b) | Fixed income securities [only show item if portfolio_bought_b =1 OR portfolio_sold_b = 1] | _euro | _euro |
| c) | <pre>Listed shares [only show item if portfolio_bought_c =1 OR portfolio_sold_c = 1]</pre> | _euro | _euro |
| d) | Other financial products (such as foreign exchange, gold, cryptocurrency) [only show item if portfolio_bought_d =1 OR portfolio_sold_d = 1] | _euro | _euro |

| 818A PRO A1 Stock market 3a p | ortfolio_reason_bought[a-h] |
|-------------------------------|-----------------------------|

Input filter: if portfolio_bought_a == 1 OR portfolio_bought_b == 1 OR
portfolio_bought_c == 1 OR portfolio_bought_d == 1

Order of the categories a to h is generated randomly for each respondent.

QUESTION: Why did you decide to buy the asset(s) after the coronavirus pandemic began?

- 1 = Strongly agree
- 2 = Mostly agree
- 3 = Mostly disagree
- 4 = Strongly disagree

Please select an answer for each row.

- a The prices are/were low at the time.
- b I (finally) found time for it.
- c I received additional information (e.g. from your bank, social media, television).
- d Since my consumption expenditure has fallen, I have money to invest
- Since my income has risen, I have money to invest.
- f My bank has (temporarily) lowered its safe custody account costs.
- g People in my circle of (close) family and friends have also bought assets.
- h I have a fixed savings plan.

| 818B | PRO A1 | Stock market 3b | portfolio_reason_sold[a-i] | | | |
|-----------|----------------|-----------------------------------|----------------------------|--|--|--|
| Input fil | ter: if portfo | olio_sold_a == 1 OR portfolio_sol | d_b == 1 OR | | | |
| portfolio | _sold_c = 1 (| OR portfolio_sold_d == 1 | | | | |

Order of the categories a to i is generated randomly for each respondent.

QUESTION: Why did you decide to sell the asset(s) after the coronavirus pandemic began?

- 1 = Strongly agree
- 2 = Mostly agree
- 3 = Mostly disagree
- 4 = Strongly disagree

Please select an answer for each row.

- a Prices will fall again or fall lower.
- b I have no time for it (anymore).
- c The recent collapse in financial market prices put me off.
- d Financial assets are too risky for me at the moment.
- e I needed the money to pay my bills.
- f I needed the money to support friends and relatives.
- g I needed the money for other consumption expenditure.
- h People in my circle of (close) family and friends have also sold assets.
- i | I preferred to invest in other financial assets.

| 818C | PRO A1 | Stock market 3c | portfolio_reason_nostocks[a- |
|------|--------|-----------------|------------------------------|
| | | | k] |

Input filter: if has_portfolio_a==2 AND has_portfolio_b==2 AND has_portfolio_c==2
AND has_portfolio_d==2 AND portfolio_unchanged_a == 1 AND portfolio_unchanged_b
== 1 AND portfolio_unchanged_c == 1 AND portfolio_unchanged_d == 1

QUESTION: Why did you decide not to buy any asset(s) during the coronavirus pandemic?

- 1 = Strongly agree
- 2 = Mostly agree
- 3 = Mostly disagree
- 4 = Strongly disagree

Please select an answer for each row.

- Prices will fall again or fall lower.
- b I have no time for it (anymore).
- c I do not know enough about the financial market or how to buy assets.
- d The recent collapse in financial market prices puts me off.
- e Financial assets are too risky for me at the moment.
- f I have no money to save.
- g The costs of safe custody accounts and transactions are too high for me.
- h No one in my circle of (close) family and friends holds assets.
- i I do not trust the stock market.
- j I have moral concerns.
- k I have no interest in it.

| 818D | PRO A1 | Stock market 3d | portfolio_reason_unchange[a- |
|------|--------|-----------------|------------------------------|
| | | | f] |

Input filter: if (has_portfolio_a=1 OR has_portfolio_b==1 OR has_portfolio_c==1
OR has_portfolio_d==1) AND (portfolio_unchanged_a == 1 AND portfolio_unchanged_b
== 1 AND portfolio_unchanged_c == 1 AND portfolio_unchanged_d == 1)

QUESTION: Why did you decide not to buy any more assets during the coronavirus pandemic?

- 1 = Strongly agree
- 2 = Mostly agree
- 3 = Mostly disagree
- 4 = Strongly disagree

Please select an answer for each row.

- a Prices will fall again or fall lower.
- b I have no time for it (anymore).
- c Financial assets are too risky for me at the moment.
- d I have no money to save.
- e The transaction costs are too high for me.
- f People in my circle of (close) family and friends have not bought assets either.

 ${\bf Table\ 1} \ \ {\bf Regression\ Table:\ Reason\ No\ Participation\ and\ Demographics}$

| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
|--------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|
| | no information | no interest | distrust | too risky | no time | peer-effect | no savings | prices fall | shock | cost | moral |
| college | 0.021 | 0.163 | -0.051 | 0.032 | 0.163* | -0.113 | -0.107 | -0.076 | -0.074 | -0.012 | 0.061 |
| | (0.082) | (0.100) | (0.078) | (0.081) | (0.096) | (0.110) | (0.133) | (0.085) | (0.093) | (0.098) | (0.099) |
| part-time | 0.095 | 0.244 | -0.036 | 0.038 | 0.092 | 0.137 | -0.329 | -0.083 | -0.115 | 0.051 | -0.058 |
| part-time | (0.134) | (0.162) | (0.136) | (0.131) | (0.179) | (0.186) | (0.224) | (0.146) | (0.144) | (0.139) | (0.168) |
| | (0.134) | (0.102) | (0.150) | (0.131) | (0.113) | (0.100) | (0.224) | (0.140) | (0.144) | (0.155) | (0.100) |
| retired | 0.072 | 0.222 | -0.100 | -0.078 | 0.029 | 0.136 | -0.126 | 0.248 | -0.085 | 0.122 | -0.385** |
| | (0.179) | (0.198) | (0.142) | (0.184) | (0.179) | (0.208) | (0.229) | (0.156) | (0.177) | (0.177) | (0.191) |
| | 0.000 | 0.004 | 0.010 | | 0.004** | | | 0.40000 | 0.440 | 0.400 | |
| self-employed | -0.300 | 0.001 | -0.248 | 0.005 | 0.391** | 0.079 | -0.300 | 0.488** | 0.116 | 0.102 | -0.301 |
| | (0.229) | (0.281) | (0.171) | (0.180) | (0.196) | (0.211) | (0.432) | (0.229) | (0.215) | (0.239) | (0.239) |
| female | 0.071 | 0.161* | -0.015 | -0.078 | 0.139* | -0.135 | -0.006 | -0.047 | 0.018 | -0.029 | -0.108 |
| | (0.079) | (0.088) | (0.078) | (0.078) | (0.081) | (0.101) | (0.118) | (0.082) | (0.084) | (0.082) | (0.093) |
| | , , | , , | , , | , | , | , , | , , | () | , , | , | , , |
| kurzarbeit | 0.241^* | 0.249 | 0.092 | -0.143 | -0.226 | -0.129 | -0.392 | 0.152 | 0.298 | -0.284 | 0.183 |
| | (0.137) | (0.197) | (0.149) | (0.165) | (0.177) | (0.167) | (0.291) | (0.133) | (0.217) | (0.188) | (0.217) |
| children | -0.119 | 0.092 | 0.124 | -0.167* | 0.157 | 0.001 | 0.242* | -0.139 | -0.067 | -0.155 | -0.024 |
| cinidren | (0.087) | (0.111) | (0.092) | (0.098) | (0.107) | (0.123) | (0.139) | (0.103) | (0.098) | (0.102) | (0.115) |
| | (0.007) | (0.111) | (0.092) | (0.096) | (0.107) | (0.123) | (0.139) | (0.103) | (0.096) | (0.102) | (0.113) |
| 1500-3000 | -0.079 | 0.226* | -0.067 | 0.207* | 0.060 | 0.026 | -0.199 | 0.129 | -0.030 | -0.050 | -0.202 |
| | (0.118) | (0.133) | (0.115) | (0.117) | (0.129) | (0.148) | (0.186) | (0.111) | (0.124) | (0.124) | (0.156) |
| | | | | | | | | | | | |
| 3000-5000 | -0.047 | 0.246 | -0.019 | 0.269** | 0.050 | 0.049 | -0.589*** | 0.138 | -0.028 | -0.000 | -0.045 |
| | (0.126) | (0.149) | (0.127) | (0.118) | (0.140) | (0.149) | (0.221) | (0.118) | (0.117) | (0.135) | (0.177) |
| 5000-8000 | 0.069 | 0.427** | -0.009 | 0.092 | 0.082 | -0.170 | -0.695*** | 0.269 | 0.108 | 0.028 | -0.161 |
| 3000 0000 | (0.153) | (0.187) | (0.150) | (0.138) | (0.177) | (0.193) | (0.255) | (0.168) | (0.137) | (0.150) | (0.179) |
| | () | , , | () | , | () | () | () | () | () | () | () |
| 8000+ | -0.278 | 0.522** | 0.151 | 0.452*** | -0.032 | -0.410 | -0.458 | 0.077 | 0.139 | 0.204 | -0.413* |
| | (0.177) | (0.204) | (0.171) | (0.151) | (0.279) | (0.326) | (0.278) | (0.186) | (0.209) | (0.218) | (0.211) |
| | -0.038 | 0.035 | -0.003 | 0.028 | 0.010 | -0.009 | -0.065 | 0.089 | 0.051 | -0.074 | -0.035 |
| owner | (0.075) | (0.094) | (0.075) | (0.082) | (0.089) | (0.099) | (0.125) | (0.089) | (0.081) | (0.085) | (0.105) |
| | (0.075) | (0.094) | (0.073) | (0.062) | (0.009) | (0.099) | (0.123) | (0.000) | (0.062) | (0.000) | (0.105) |
| age | -0.014*** | -0.001 | 0.010*** | 0.009** | -0.014*** | 0.003 | -0.005 | -0.003 | 0.010** | 0.003 | 0.001 |
| = | (0.003) | (0.004) | (0.003) | (0.004) | (0.004) | (0.004) | (0.005) | (0.004) | (0.004) | (0.003) | (0.004) |
| | | | | | | | | | | | |
| fin illiterate | 0.261** | 0.035 | -0.133 | -0.067 | 0.005 | -0.052 | -0.292** | -0.041 | 0.129 | 0.029 | 0.121 |
| -01 | (0.103) | (0.119) | (0.112) | (0.127) | (0.129) | (0.172) | (0.129) | (0.119) | (0.155) | (0.144) | (0.139) |
| Observations Adjusted R^2 | 838 0.087 | 837 0.031 | 833 0.022 | 824 0.049 | 829 0.109 | 831 0.015 | 837 0.054 | 817 0.031 | 819 0.031 | 812 0.012 | 829 |
| Adjusted R | 0.087 | 0.031 | 0.022 | 0.049 | 0.109 | 0.015 | 0.054 | 0.031 | 0.031 | 0.012 | 0.023 |

OLS model with standardized version of reason as dependent variable on demographics. Standard errors in parentheses. * p < 0.10, *** p < 0.05, *** p < 0.01

B Additional Regression Tables

Here will be additional Regression Tables

Table 2 Regression Table: Principal Component of Reason No Participation and Demographics

| | (1) Risk | (2) Lack of | (3) Lack of |
|----------------|-------------|----------------|----------------|
| | Aversion | Resources | Savings |
| college | -0.034 | 0.060 | -0.053 |
| | (0.049) | (0.048) | (0.070) |
| female | -0.034 | 0.089* | -0.049 |
| | (0.044) | (0.046) | (0.063) |
| children | -0.046 | 0.086 | 0.090 |
| | (0.058) | (0.056) | (0.078) |
| owner | 0.057 | -0.033 | -0.103 |
| | (0.046) | (0.047) | (0.063) |
| fin illiterate | -0.025 | 0.007 | -0.080 |
| | (0.078) | (0.060) | (0.088) |
| part-time | -0.052 | 0.034 | -0.201 |
| | (0.078) | (0.086) | (0.126) |
| retired | -0.025 | 0.071 | -0.223 |
| | (0.092) | (0.104) | (0.138) |
| self-employed | 0.076 | -0.052 | -0.296 |
| | (0.110) | (0.138) | (0.201) |
| kurzarbeit | 0.081 | -0.021 | -0.049 |
| | (0.109) | (0.110) | (0.154) |
| age | 0.006*** | -0.009*** | -0.002 |
| | (0.002) | (0.002) | (0.003) |
| < 1500 | -0.073 | 0.029 | 0.261*** |
| | (0.058) | (0.064) | (0.096) |
| Observations | 811 | 823 | 827 |
| Adjusted R^2 | 0.073 | 0.103 | 0.059 |

OLS model with principal component as dependent variable on demographics. Standard errors in parentheses. * p < 0.10, ** p < 0.05, *** p < 0.01

Table 3 Regression Table: Reason No Adjustment and Demographics

| | (1) | (2) | (3) | (4) | (5) | (6) |
|----------------|-------------|---------|-------------|------------|-------------|-------------|
| | too risky | no time | prices fall | no savings | peer effect | costs |
| college | -0.061 | 0.334** | -0.151 | 0.037 | -0.182 | 0.025 |
| | (0.116) | (0.148) | (0.114) | (0.149) | (0.123) | (0.101) |
| part-time | 0.128 | 0.033 | -0.535* | 0.194 | 0.123 | 0.040 |
| | (0.222) | (0.257) | (0.273) | (0.389) | (0.281) | (0.181) |
| retired | 0.107 | -0.142 | -0.415* | -0.365 | 0.673** | 0.125 |
| | (0.240) | (0.274) | (0.217) | (0.322) | (0.264) | (0.184) |
| self-employed | -0.242 | 0.076 | -0.652*** | 0.438 | 0.139 | 0.230 |
| | (0.250) | (0.338) | (0.226) | (0.344) | (0.266) | (0.349) |
| female | -0.001 | 0.084 | -0.116 | -0.148 | 0.038 | 0.142 |
| | (0.104) | (0.138) | (0.137) | (0.145) | (0.139) | (0.097) |
| kurzarbeit | -0.106 | -0.148 | -0.542*** | 0.051 | 0.468 | 0.262 |
| | (0.255) | (0.265) | (0.165) | (0.242) | (0.323) | (0.334) |
| children | 0.119 | 0.179 | -0.244* | 0.196 | -0.175 | -0.073 |
| | (0.150) | (0.184) | (0.129) | (0.206) | (0.173) | (0.129) |
| 1500-3000 | -0.240 | 0.161 | 0.259 | -0.714*** | 0.175 | 0.379^{*} |
| | (0.189) | (0.274) | (0.202) | (0.270) | (0.245) | (0.199) |
| 3000-5000 | 0.026 | 0.021 | 0.183 | -0.862*** | 0.353 | 0.304 |
| | (0.186) | (0.272) | (0.237) | (0.285) | (0.244) | (0.198) |
| 5000-8000 | -0.355 | 0.220 | 0.274 | -0.728** | 0.508^{*} | 0.098 |
| | (0.225) | (0.318) | (0.261) | (0.319) | (0.260) | (0.207) |
| 8000+ | 0.358 | 0.598* | 0.031 | -1.364*** | 0.169 | 0.213 |
| | (0.264) | (0.323) | (0.269) | (0.385) | (0.319) | (0.285) |
| owner | -0.029 | -0.088 | 0.324^{*} | -0.211 | -0.166 | 0.167^{*} |
| | (0.117) | (0.136) | (0.170) | (0.158) | (0.136) | (0.100) |
| age | 0.006 | -0.009* | 0.004 | 0.015** | -0.019*** | 0.004 |
| | (0.005) | (0.006) | (0.005) | (0.007) | (0.007) | (0.004) |
| fin illiterate | 0.292^{*} | 0.303* | 0.209 | -0.944*** | 0.406^{*} | -0.255** |
| | (0.164) | (0.167) | (0.205) | (0.324) | (0.241) | (0.117) |
| Observations | 440 | 441 | 436 | 439 | 432 | 437 |
| Adjusted R^2 | 0.038 | 0.124 | 0.097 | 0.112 | 0.073 | 0.046 |

OLS model with standardized version of reason as dependent variable on demographics. Standard errors in parentheses. * p < 0.10, ** p < 0.05, *** p < 0.01

 Table 4
 Robustness: Principal Component of Reason No Participation and

 Demographics

| | (1) | (2) | (3) | (4) | (5) | (6) |
|-----------------------------|---------------------|-------------------|--------------------|--------------------|--------------------|---------------------|
| | Risk | Risk | Risk | Risk | Risk | Risk |
| | Aversion | Aversion | Aversion | Aversion | Aversion | Aversion |
| college | -0.034 | -0.031 | -0.032 | -0.031 | -0.031 | -0.033 |
| | (0.049) | (0.057) | (0.057) | (0.057) | (0.057) | (0.057) |
| female | -0.034 (0.044) | -0.048 (0.057) | -0.046 (0.056) | -0.046 (0.056) | -0.047 (0.056) | -0.046 (0.056) |
| children | -0.046 (0.058) | -0.037 (0.067) | -0.026 (0.062) | -0.028 (0.063) | -0.032 (0.065) | -0.025 (0.062) |
| owner | 0.057 (0.046) | 0.051 (0.056) | 0.054 (0.056) | 0.053 (0.056) | 0.052 (0.056) | 0.054 (0.056) |
| fin illiterate | -0.025 | -0.004 | -0.007 | -0.006 | -0.005 | -0.008 |
| | (0.078) | (0.098) | (0.097) | (0.097) | (0.097) | (0.097) |
| part-time | -0.052 | -0.043 | -0.040 | -0.041 | -0.042 | -0.041 |
| | (0.078) | (0.082) | (0.083) | (0.083) | (0.083) | (0.083) |
| retired | -0.025 | 0.006 | 0.004 | 0.006 | 0.006 | 0.003 |
| | (0.092) | (0.107) | (0.106) | (0.106) | (0.107) | (0.106) |
| self-employed | 0.076 | 0.095 | 0.099 | 0.098 | 0.097 | 0.098 |
| | (0.110) | (0.119) | (0.119) | (0.119) | (0.119) | (0.119) |
| kurzarbeit | 0.081 | 0.086 | 0.085 | 0.085 | 0.086 | 0.084 |
| | (0.109) | (0.111) | (0.110) | (0.110) | (0.111) | (0.110) |
| < 1500 | -0.073 | -0.046 | -0.048 | -0.047 | -0.046 | -0.048 |
| | (0.058) | (0.072) | (0.072) | (0.072) | (0.072) | (0.072) |
| age | 0.006*** (0.002) | 0.006 (0.004) | 0.009 (0.006) | 0.008 (0.005) | 0.007 (0.005) | 0.010 (0.006) |
| Experience (k=1) | | 0.122 (9.227) | | | | |
| Experience (k=1.4322) | | | -8.109 (14.504) | | | |
| Experience (k=1.325) | | | | -5.279 (12.841) | | |
| Experience (k=1.166) | | | | | -2.126 (10.861) | |
| Experience (k=1.5) | | | | | | -10.177 (15.699) |
| Observations Adjusted R^2 | 811 | 526 | 526 | 526 | 526 | 526 |
| | 0.073 | 0.027 | 0.028 | 0.028 | 0.027 | 0.028 |

OLS model with principal component as dependent variable on demographics. Standard errors in parentheses. * p < 0.10, ** p < 0.05, *** p < 0.01

 Table 5
 Robustness: Reason No Participation and Demographics

| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
|-------------------------|----------------|----------|----------|-----------|----------|-------------|------------|-------------|----------|----------|----------|
| | no information | | distrust | too risky | no time | peer-effect | no savings | prices fall | shock | cost | moral |
| college | 0.002 | 0.135 | -0.072 | 0.035 | 0.227** | -0.068 | -0.134 | -0.099 | -0.042 | 0.014 | 0.013 |
| | (0.093) | (0.118) | (0.090) | (0.093) | (0.110) | (0.127) | (0.154) | (0.099) | (0.108) | (0.114) | (0.113) |
| part-time | 0.049 | 0.270 | -0.053 | 0.071 | 0.084 | 0.187 | -0.364 | -0.082 | -0.096 | 0.000 | -0.026 |
| | (0.129) | (0.178) | (0.143) | (0.140) | (0.182) | (0.195) | (0.232) | (0.153) | (0.155) | (0.144) | (0.173) |
| retired | -0.148 | 0.095 | 0.137 | -0.198 | 0.058 | 0.173 | -0.162 | 0.271 | -0.111 | 0.548** | -0.601** |
| | (0.261) | (0.240) | (0.163) | (0.274) | (0.237) | (0.263) | (0.237) | (0.183) | (0.228) | (0.242) | (0.276) |
| self-employed | -0.377 | -0.010 | -0.250 | 0.072 | 0.307 | 0.104 | -0.280 | 0.527** | 0.110 | 0.078 | -0.245 |
| r | (0.246) | (0.310) | (0.187) | (0.191) | (0.197) | (0.225) | (0.475) | (0.246) | (0.241) | (0.261) | (0.245) |
| female | 0.094 | 0.156 | 0.003 | -0.052 | 0.129 | -0.231* | 0.043 | -0.074 | -0.045 | 0.043 | -0.106 |
| | (0.083) | (0.115) | (0.094) | (0.100) | (0.096) | (0.123) | (0.145) | (0.105) | (0.104) | (0.098) | (0.111) |
| kurzarbeit | 0.216 | 0.246 | 0.099 | -0.129 | -0.238 | -0.179 | -0.380 | 0.154 | 0.301 | -0.278 | 0.227 |
| | (0.137) | (0.196) | (0.150) | (0.163) | (0.187) | (0.160) | (0.300) | (0.139) | (0.220) | (0.189) | (0.222) |
| children | -0.118 | 0.023 | 0.145 | -0.096 | 0.207* | -0.031 | 0.124 | -0.214* | -0.049 | -0.090 | 0.047 |
| | (0.094) | (0.134) | (0.098) | (0.115) | (0.120) | (0.138) | (0.149) | (0.128) | (0.113) | (0.107) | (0.124) |
| 1500-3000 | -0.025 | 0.238 | -0.161 | 0.163 | 0.199 | 0.121 | -0.182 | 0.186 | -0.050 | -0.061 | -0.405** |
| | (0.134) | (0.180) | (0.126) | (0.144) | (0.157) | (0.186) | (0.228) | (0.140) | (0.151) | (0.150) | (0.177) |
| 3000-5000 | 0.015 | 0.293 | -0.129 | 0.242* | 0.097 | 0.052 | -0.506* | 0.167 | -0.059 | -0.008 | -0.128 |
| | (0.134) | (0.196) | (0.146) | (0.143) | (0.167) | (0.179) | (0.270) | (0.142) | (0.142) | (0.159) | (0.200) |
| 5000-8000 | 0.118 | 0.434* | -0.062 | 0.066 | 0.143 | -0.240 | -0.642** | 0.284 | 0.117 | 0.051 | -0.210 |
| | (0.171) | (0.226) | (0.163) | (0.162) | (0.202) | (0.223) | (0.300) | (0.194) | (0.161) | (0.173) | (0.201) |
| 8000+ | -0.257 | 0.541** | 0.129 | 0.405** | 0.016 | -0.404 | -0.394 | 0.089 | 0.112 | 0.210 | -0.491** |
| | (0.191) | (0.237) | (0.183) | (0.173) | (0.309) | (0.356) | (0.314) | (0.203) | (0.235) | (0.239) | (0.229) |
| owner | -0.067 | 0.051 | -0.027 | -0.014 | 0.082 | 0.155 | -0.056 | 0.104 | 0.073 | -0.112 | -0.204 |
| | (0.084) | (0.120) | (0.088) | (0.100) | (0.105) | (0.117) | (0.153) | (0.103) | (0.099) | (0.097) | (0.126) |
| age | -0.010* | -0.007 | 0.011** | 0.015* | -0.008 | 0.001 | -0.015* | -0.013* | 0.010 | 0.012** | 0.002 |
| | (0.005) | (0.008) | (0.005) | (0.008) | (0.007) | (0.008) | (0.009) | (0.008) | (0.008) | (0.006) | (0.008) |
| fin illiterate | 0.245* | -0.035 | -0.119 | -0.022 | 0.069 | 0.033 | -0.268* | -0.081 | 0.181 | -0.056 | 0.053 |
| | (0.126) | (0.157) | (0.128) | (0.149) | (0.158) | (0.204) | (0.157) | (0.149) | (0.187) | (0.176) | (0.176) |
| Experience (k=1) | -3.911 | 15.991 | 0.121 | -18.288 | -20.188 | 2.083 | 29.137 | 23.093 | -2.982 | -17.172 | -9.082 |
| | (14.194) | (20.424) | (13.595) | (17.916) | (17.460) | (20.220) | (23.828) | (15.890) | (17.627) | (15.730) | (19.446) |
| Observations | 543 | 543 | 542 | 536 | 538 | 539 | 543 | 529 | 532 | 528 | 538 |
| Adjusted R ² | 0.057 | 0.028 | 0.029 | 0.025 | 0.065 | 0.021 | 0.042 | 0.027 | 0.010 | 0.032 | 0.043 |

OLS model with standardized version of reason as dependent variable on demographics. Standard errors in parentheses. * p < 0.10, ** p < 0.05, *** p < 0.01

 Table 6
 Robustness: Reason No Participation and Demographics

| | (1) Risk | (2) Lack of | (3) Lack of |
|-------------------------|-------------|----------------|----------------|
| | Aversion | Resources | Savings |
| college | -0.017 | 0.054* | -0.012 |
| | (0.035) | (0.030) | (0.031) |
| female | -0.010 | 0.060* | -0.012 |
| | (0.032) | (0.033) | (0.028) |
| children | -0.042 | -0.017 | 0.028 |
| | (0.041) | (0.040) | (0.036) |
| owner | 0.015 | -0.008 | -0.045* |
| | (0.032) | (0.029) | (0.027) |
| fin illiterate | 0.055 | 0.062 | 0.032 |
| | (0.049) | (0.043) | (0.044) |
| part-time | 0.042 | 0.016 | -0.046 |
| | (0.066) | (0.072) | (0.060) |
| retired | 0.019 | 0.040 | -0.075 |
| | (0.071) | (0.073) | (0.062) |
| self-employed | 0.131 | 0.051 | -0.087 |
| | (0.090) | (0.081) | (0.065) |
| kurzarbeit | 0.032 | 0.036 | 0.044 |
| | (0.087) | (0.057) | (0.054) |
| age | 0.005*** | -0.003 | 0.001 |
| | (0.002) | (0.002) | (0.001) |
| < 1500 | 0.003 | 0.031 | 0.139*** |
| | (0.046) | (0.041) | (0.042) |
| Observations | 879 | 892 | 895 |
| Adjusted \mathbb{R}^2 | 0.065 | 0.026 | 0.033 |

OLS model with above average reason as dependent variable on demographics. Standard errors in parentheses. * p < 0.10, ** p < 0.05, *** p < 0.01

 Table 7
 Regression Table: Has bought and Expectations of Inflation (Probit)

| | (1) | (2) | (3) | (4) | (5) |
|--------------------|----------------------|-----------|----------|---------|---------|
| inflation prob exp | -0.047*** (0.016) | -0.084*** | | | |
| | (0.016) | (0.019) | | | |
| inflation prob sd | | -0.534*** | | | |
| | | (0.180) | | | |
| Mean | | | -0.043** | -0.035 | -0.049* |
| | | | (0.020) | (0.022) | (0.026) |
| SD | | | | -0.043 | |
| | | | | (0.034) | |
| 90-10 Percentile | | | | | -0.122 |
| | | | | | (0.099) |
| Observations | 1716 | 1716 | 1138 | 1138 | 772 |
| Controls | Yes | Yes | Yes | Yes | Yes |

Probit model with has financial assets bought as dependent variable on inflation expectations. Controls are college, gender, labor status, kurzarbeit, has children, income, home ownership, and cohort. Standard errors in parentheses. * p < 0.10, *** p < 0.05, **** p < 0.01