# The Math Gender Gap and Women's Career Outcomes <br> \& <br> <br> Family, Values, and Women in Finance 

 <br> <br> Family, Values, and Women in Finance}

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## CFA Research Institute

- Question: Why are less than $20 \%$ of CFAs women?


## What is required to be a CFA?

- Regular Member
- Bachelor's Degree
- Pass CFA Level I exam (40\% pass rate)
- Possess 4 years of professional work experience
- 3 Professional References
- Charterholder
- Pass Level II (43\% pass rate).
- Pass Level III (51\% pass rate).


## Women

- $57 \%$ of college graduates
- $48 \%$ of graduating business majors
- 50\% of CPAs
- 48\% of medical students
- $47 \%$ of law school students
- 30\% of finance majors
- 18\% of CFA charterholders

Women in Private Practice


## Women in Corporations

Fortune $\mathbf{5 0 0}$ General Counsel
Fortune 501-1000 General Counsel

CPAs

## How Many Women at Different Levels?

| Partner |
| :--- |
| Director/non-equity |
| partner |
| Senior manager |
| Manager |
| Senior associate |
| Associate |
| New professional |



## CPAs

Flexible Work Arrangements
of firms have partners with FWAs




## Mutual Fund Managers



Figure 1. Fraction of female managers. The figure plots the fraction of female fund managers by month. The solid line plots the fraction for all managers in the Morningstar dataset and the dotted line plots the fraction for managers of mainstream active domestic equity funds.

## Mutual Fund Managers

## You've Got Males

Gender breakdown of 7,410 portfolio managers of U.S. mutual funds

FUND MANAGERS BY GENDER


FUNDS BY GENDER


Note: As of March 31, U.S. mutual funds only. Some percentages don't add to $100 \%$ due to rounding.

## Why are women underrepresented?

- Discrimination
- Aversion to Competition
- Gender Norms (Gender Essentialism)
- Structure of Work
- Math Training
- The math gender gap


# Gender-Science Implicit Association Test 

| Category | Items |
| :--- | :--- |
| Male | Man, Son, Father, Boy, Uncle, Grandpa, Husband, Male |
| Female | Mother, Wife, Aunt, Woman, Girl, Female, Grandma, Daughter |
| Science | Astronomy, Math, Chemistry, Physics, Biology, Geology, Engineering |
| Liberal Arts | History, Arts, Humanities, English, Philosophy, Music, Literature |

## Reuben, Sapienza, Zingales (2014)

- Subjects sum sets of four two-digit numbers over 4 minutes
- Two subjects randomly selected as candidates
- The remainder were employers asked to hire one of the two candidates for a math test.
- Treatments
- Cheap talk: Candidates talk
- Past Performance: Scores revealed


## Reuben, Sapienza, Zingales (2014)



## Reuben, Sapienza, Zingales (2014)



## Double Standards in Penalties? Egan, Matvos, Seru (WP, 2017)

- Analyze misconduct in Financial Advisers
- Women engage in less misconduct than men.
- Conditional on misconduct, women are penalized more than men.


## Misconduct Rates Egos, Matvos, Seru (WP 2017)

(a) Frequency of Misconduct by Qualification Exam


# Misconduct Rates Egos, Matvos, Seru (WP 2017) 

Figure 7: Distribution of Settlments/Damages


## Misconduct Consequences Egos, Matvos, Seru (WP 2017)

Figure 5: Unemployment and Misconduct


## Competition Preferences <br> Niederle and Vesterlund (QJE, 2007)

- Women are less attracted to competitive environments
- Subjects asked to add set of five two-digit numbers
- Compensation
- Piece rate: 50 cents per correct answer.
- Tournament of four people:
- Winner in group receives $\$ 2$ per correct.
- 73\% of Men Select Tournament
- 35\% of Women Select Tournament


## Competition Preferences

## Proportion Selecting Tournament




Source: Niederle and Vesterlund (2007).

## Competition and Gender Gap Gneezy, Niederle, and Rustichini (2003)

Average Performance of $\mathbf{3 0}$ Men and $\mathbf{3 0}$ Women in Each Treatment


Source: Gneezy, Niederle, and Rustichini (2003).

## Gender Norms

- Women with traditional views of women's roles may not consider a career in finance.
- In marriages in which wife earns more than husband (Bertrand, Kamenica, Pan, QJE, 2016)
- Greater likelihood of divorce
- Women are more likely to quit their jobs
- Women do more housework than if they earned less than husband


## Convex Compensation for Time

- Women are at a disadvantage in professions, such as finance, that disproportionately reward those who work long and specific hours
- Goldin (AER, 2014)


## Summary - Math Gap

- Gender Representation of CFA Members is Correlated with the Gender Math Gap at age 15
- Across Countries
- Across States within the US
- Why? Is it because women:
- Don't have needed math training
- Have needed math skills, but lack confidence
- Traditional views of women's roles correlated with traditional views about women \& math
- Discrimination against women in finance higher in areas with higher math gaps


## Math Gap

- Women lack (or believe they lack) math skills necessary for quantitative careers
- Ellison and Swanson, 2010; Wai et al., 2010; Reuben, Sapienza and Zingales, 2014, Philippon and Reshef, 2012; Adams and Kirchmaier, 2016


## PISA Gender Math Gap

0 Average
Lowest-a
$\Delta$ Highest


Fraction of CFA members who are female by Country




## Country Level Determinants of Percent Female CFA Members

|  | (1) | (2) | (3) | (4) | (5) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Gender Gap in Math | -6.944*** |  |  |  | -7.305*** |
|  | [1.692] |  |  |  | [1.522] |
| \% Women - Total Labor Force |  | -1.801 |  |  | 4.386** |
|  |  | [3.624] |  |  | [2.001] |
| Gender Inequality Index (UN) |  |  | -2.203 |  | -2.210* |
|  |  |  | [1.643] |  | [1.190] |
| Gender Gap in Competition |  |  |  | -4.682** | -1.037 |
|  |  |  |  | [1.857] | [1.641] |
| Constant | 20.953*** | 18.819*** | 16.798*** | 20.733*** | 18.578*** |
|  | [1.176] | [2.096] | [1.056] | [1.463] | [0.981] |
| Observations | 46 | 46 | 46 | 46 | 46 |
| R-squared | 0.446 | 0.008 | 0.062 | 0.284 | 0.575 |
| Robust standard errors in brackets |  |  |  |  |  |
| *** $p<0.01,{ }^{* *} p<0.05$, * $p<0.1$ |  |  |  |  |  |



## State Level Determinants of Percent Female CFA Members

|  | (1) | (2) | (3) | (4) |
| :---: | :---: | :---: | :---: | :---: |
| Gender Gap in Math | $-1.255^{* *}$ |  |  | -1.596*** |
|  | [0.560] |  |  | [0.382] |
| \% Women - Total Labor Force |  | -0.163 |  | 0.106 |
|  |  | [1.042] |  | [0.772] |
| \% Women - Finance Majors |  |  | 1.473 | 2.135** |
|  |  |  | [1.064] | [0.974] |
| Constant | 16.621*** | 16.441*** | 16.093*** | 16.199*** |
|  | [0.609] | [0.818] | [0.642] | [0.632] |
| Observations | 45 | 45 | 45 | 45 |
| R-squared | 0.146 | 0.002 | 0.099 | 0.327 |
| Robust standard errors in brackets |  |  |  |  |
| *** $\mathrm{p}<0.01$, ** $\mathrm{p}<0.05$, * $\mathrm{p}<0.1$ |  |  |  |  |

## Mechanism

- Not general Female Labor Force Participation
- Not general measures of inequality
- UN Gender Inequality Index
- WEF Gender Gap Index
- WEF Political Empowerment Index
- Women's empowerment index
- Differences in Competition Attitudes


## Summary-STEM Parents

- STEM Parents (especially a mother) influence women to go into finance more than men.
- Why?
- Heredity
- but would require asymmetric heredity
- Pre-school and at home math training
- Perhaps girls receive better math training from STEM parents
- Parents view of appropriate careers
- Perhaps girls learn of appropriate careers from parents, but does not predict differences by mom/dad
- Parents as role models
- Might lead to differences by mom/dad


## STEM Parents

Conjecture:
Parents affect the career choices of children

- Do STEM parents close the gender gap in finance?
- If so, what is the mechanism?
- Role model
- Math training


## CFAs with STEM Parents



## CFA Member Parents and Siblings with STEM Careers differ by Gender

 The "Probability Impact" of $28.6 \%$ for STEM fathers means: Having a STEM father raises the probability that a daughter becomes a CFA member by 28.6\% more than that of a son.|  | Male |  | Female |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Probability |
|  | Mean | N | Mean | N | Impact |
| \% Father in STEM | 34.6 | 3,954 | 44.5 | 1,020 | 28.6 |
| \% Mother in STEM | 10.8 | 3,993 | 16.0 | 1,031 | 47.6 |
| \% Sister in STEM | 15.2 | 3,582 | 23.1 | 888 | 51.7 |
| \% Brother in STEM | 27.9 | 3,534 | 33.4 | 885 | 19.8 |

$$
\begin{aligned}
& \text { Probability Impact }=\frac{P(\text { Female CFA } \mid \text { STEM Dad }) / P(\text { Female } C F A)}{P(\text { Male CFA } \mid \text { STEM Dad }) / P(\text { Male CFA })} \\
& =\frac{P(\text { STEM Dad } \mid \text { Female } C F A)}{P(\text { STEM Dad } \mid \text { Male } C F A)}
\end{aligned}
$$

## Math Channel?

- PISA Individual Math Score Data
- Code Parents in STEM Occupations
- Triple Interaction Model
- Father STEM
- Mother STEM
- Girl
- Country Fixed Effects


## Table 4: The Effect of STEM Parents on Math Scores of Girls and Boys

The dependent variable is a student's score on the PISA math test. The independent variables include the triple interaction of Girl, DAD_STEM, and MOM_STEM, which are dummy variables that take a value of one if the student is a girl, has a STEM father, or has a STEM mother (respectively), and country fixed effects (where the U.S. is the base country).

| Variable | 2012 |
| :--- | :---: |
| constant | $489.402^{* * *}$ |
|  | $(3.397)$ |
| Girl | $-11.608^{* * *}$ |
|  | $(0.775)$ |
| DAD_STEM | $48.690 * * *$ |
|  | $(2.442)$ |
| MOM_STEM | $36.969 * * *$ |
|  | $(5.456)$ |
| DAD_STEM*MOM_STEM | -8.897 |
|  | $(11.184)$ |
| Girl*DAD_STEM | 2.258 |
| Girl*MOM_STEM | $(3.053)$ |
|  | $15.473 * * *$ |
| Girl*DAD_STEM*MOM_STEM | $(6.729)$ |
| Country Fixed Effects | -1.016 |
| Observations | $(12.734)$ |
| No.of Countries | YES |
| Adjusted R-Squared |  |

Standard errors in brackets
*** $\mathrm{p}<0.01,{ }^{* *} \mathrm{p}<0.05, * \mathrm{p}<0.1$

## Table 4: The Effect of STEM Parents on Math Scores of Girls and Boys

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| Variable | 2000 | 2003 | 2006 | 2009 | 2012 | 2015 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| constant | $\begin{gathered} 491.171 * * * \\ (7.404) \end{gathered}$ | $\begin{gathered} \text { 481.774*** } \\ (2.888) \end{gathered}$ | $\begin{gathered} 475.074 * * * \\ (2.363) \end{gathered}$ | $\begin{gathered} 485.778 * * * \\ (3.381) \end{gathered}$ | $\begin{gathered} 489.402 * * * \\ (3.397) \end{gathered}$ | $\begin{gathered} 467.648 * * * \\ (3.127) \end{gathered}$ |
| Girl | $\begin{gathered} -9.488 * * * \\ (1.703) \end{gathered}$ | $\begin{gathered} -8.611 * * * \\ (1.131) \end{gathered}$ | $\begin{gathered} -11.722 * * * \\ (1.041) \end{gathered}$ | $\begin{gathered} -11.069 * * * \\ (0.884) \end{gathered}$ | $\begin{gathered} -11.608 * * * \\ (0.775) \end{gathered}$ | $\begin{gathered} -6.757 * * * \\ (0.864) \end{gathered}$ |
| DAD_STEM | $\begin{gathered} 55.287 * * * \\ (4.314) \end{gathered}$ | $\begin{gathered} 54.241 * * * \\ (2.608) \end{gathered}$ | $\begin{gathered} 46.350 * * * \\ (2.363) \end{gathered}$ | $\begin{gathered} 51.106 * * * \\ (2.346) \end{gathered}$ | $\begin{gathered} 48.690 * * * \\ (2.442) \end{gathered}$ | $\begin{gathered} 51.341 * * * \\ (1.998) \end{gathered}$ |
| MOM_STEM | $\begin{gathered} 50.067 * * * \\ (7.854) \end{gathered}$ | $\begin{gathered} 48.273 * * * \\ (4.621) \end{gathered}$ | $\begin{gathered} 36.710 * * * \\ (3.250) \end{gathered}$ | $\begin{gathered} 44.700 * * * \\ (3.030) \end{gathered}$ | $\begin{gathered} 36.969 * * * \\ (5.456) \end{gathered}$ | $\begin{gathered} 56.317 * * * \\ (3.507) \end{gathered}$ |
| DAD_STEM ${ }^{*}$ MOM_S $^{\text {STEM }}$ | $\begin{gathered} -27.362 * * * \\ (12.961) \end{gathered}$ | $\begin{gathered} -7.661 \\ (10.386) \end{gathered}$ | $\begin{aligned} & -5.297 \\ & (8.195) \end{aligned}$ | $\begin{gathered} -18.295 * * * \\ (6.804) \end{gathered}$ | $\begin{gathered} -8.897 \\ (11.184) \end{gathered}$ | $\begin{gathered} -29.987 * * * \\ (6.854) \end{gathered}$ |
| Girl*DAD_STEM | $\begin{array}{r} -1.894 \\ (6.278) \\ \hline \end{array}$ | $\begin{gathered} -8.479 * * * \\ (3.571) \\ \hline \end{gathered}$ | $\begin{aligned} & -0.804 \\ & (2.950) \\ & \hline \end{aligned}$ | $\begin{aligned} & -3.371 \\ & (2.947) \\ & \hline \end{aligned}$ | $\begin{array}{r} 2.258 \\ (3.053) \\ \hline \end{array}$ | $\begin{aligned} & -1.692 \\ & (2.679) \end{aligned}$ |
| Girl*MOM_STEM | $\begin{array}{\|c\|} \hline-3.132 \\ (10.907) \\ \hline \end{array}$ | $\begin{aligned} & \hline-2.180 \\ & (6.321) \\ & \hline \end{aligned}$ | $\begin{aligned} & -2.252 \\ & (4.408) \\ & \hline \end{aligned}$ | $\begin{aligned} & -3.771 \\ & (3.496) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 15.473 * * * \\ (6.729) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline-4.173 \\ & (4.673) \\ & \hline \end{aligned}$ |
| Girl*DAD_STEM*MOM_STEM | $\begin{gathered} 11.001 \\ (18.976) \end{gathered}$ | $\begin{gathered} 6.392 \\ (15.403) \end{gathered}$ | $\begin{gathered} \hline-9.355 \\ (12.659) \end{gathered}$ | $\begin{gathered} 7.099 \\ (8.392) \end{gathered}$ | $\begin{gathered} -1.016 \\ (12.734) \end{gathered}$ | $\begin{gathered} 9.358 \\ (9.244) \end{gathered}$ |
| Country Fixed Effects | YES | YES | YES | YES | YES | YES |
| Observations | 127,388 | 276,165 | 398,750 | 475,460 | 360,229 | 519,334 |
| No.of Countries | 43 | 41 | 57 | 65 | 67 | 73 |
| Adjusted R-Squared | 39.8\% | 32.7\% | 28.8\% | 32.6\% | 30.6\% | 30.8\% |

Standard errors in brackets
*** $\mathrm{p}<0.01,{ }^{* *} \mathrm{p}<0.05,{ }^{*} \mathrm{p}<0.1$

## Summary-Values

PART 1: Selection into Finance

- Female CFA members value tradition \& conformity less and achievement more than:
- Women in the general population.
- Male CFA members
- Why is there a "values" selection effect?
- Stereotypes about appropriate careers for women
- More family time demands for women with traditional views
- Discrimination against women in finance higher in areas where people more highly value tradition


## Summary-Values

PART 2: Does Selection Level the Playing
Field?

Survey Question of CFA Members: Given a linear pay scale, do you want to recapture time from work (i.e., prefer less hours and pay)

## Desire to Recapture Time from Work

If you were given the following options, which would you prefer?
a. I would work $25 \%$ more hours each week for $25 \%$ more pay. b. I would work $10 \%$ more hours each week for $10 \%$ more pay.
c. I would work the same hours each week for the same pay.
d. I would work 10\% fewer hours each week for $10 \%$ less pay.
e. I would work $25 \%$ fewer hours each week for $25 \%$ less pay.

## Do you want to recapture time from work?



## CFA Institute Member Survey

- Surveyed 135,000 members in 151 countries
- 3.8\% response rate
- World Values Survey (6 ${ }^{\text {th }}$ wave)
- Schwartz values inventory
- tradition, conformity, achievement, benevolence, universalism, power, security, self-direction, stimulation, and hedonism
"How much like you is this person?"

Tradition: Tradition is important to this person; to follow the customs handed down by one's religion or family.

Conformity: It is important to this person to always behave properly; to avoid doing anything people would say is wrong.

Achievement: Being very successful is important to this person; to have people recognize one's achievements.

## CFAs: Men and Women

| Variable | N | Male |  |  | Female |  |  | Difference |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Mean | Std. Dev. | N | Mean | Std. Dev. | N | (F-M) | t-stat. |
| Age | 5,150 | 41.7 | 11.0 | 4,116 | 42.0 | 10.7 | 1,034 | 0.3 | 0.77 |
| Years with CFA Charter | 4,932 | 8.1 | 8.7 | 3,935 | 9.0 | 8.2 | 997 | 0.9 | 2.94 *** |
| \% with Grad. Degree | 5,241 | 61.3 | 48.7 | 4,170 | 55.0 | 49.8 | 1,071 | -6.3 | -3.77 *** |
| \% Employed | 5,259 | 94.2 | 23.4 | 4,183 | 91.1 | 28.5 | 1,076 | -3.1 | -3.68*** |
| Income Percentile | 5,021 | 66.1 | 16.8 | 4,002 | 64.6 | 15.9 | 1,019 | -1.5 | -2.50 ** |
| \% Married | 5,014 | 79.4 | 40.5 | 3,982 | 71.7 | 45.1 | 1,032 | -7.7 | -5.28 *** |
| \% Children at Home | 5,035 | 53.2 | 49.9 | 4,001 | 44.0 | 49.7 | 1,034 | -9.2 | -5.28*** |
| \% Children Restrict Career | 4,636 | 52.8 | 49.9 | 3,704 | 63.3 | 48.2 | 932 | 10.5 | 5.79 *** |
| \% Childcare | 2,779 | 40.3 | 24.5 | 2,282 | 57.8 | 23.9 | 497 | 17.5 | 14.50 *** |
| \% Working Spouse | 3,747 | 50.7 | 50.0 | 3,036 | 79.0 | 40.7 | 711 | 28.3 | 14.05 *** |
| \% Recapture Time | 4,625 | 16.7 | 37.3 | 3,696 | 29.0 | 45.4 | 929 | 12.3 | $8.58{ }^{* * *}$ |

[^0]
## General Population v. CFAs

| Variable | Worlds Values Survey |  |  | CFA Members |  |  | Difference |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mean | Std. <br> Dev. | N | Mean | Std. <br> Dev. | N | CFA- <br> WVS | t-stat |
| \% Female | 53.58 | 0.50 | 53889 | 20.56 | 40.42 | 4425 | -33.02 | $42.90^{* * *}$ |
| \% College | 19.51 | 0.40 | 53923 | 100 | 0 | 4425 | 80.49 | -135.13 *** |
| Age | 45.59 | 15.62 | 53923 | 42.11 | 10.97 | 4337 | -3.48 | 14.39 *** |
| Income Percentile | 41.80 | 22.10 | 53923 | 65.30 | 18.20 | 4425 | 23.50 | $-68.84^{* * *}$ |
| \% Married | 60.39 | 48.91 | 53923 | 77.60 | 41.69 | 4425 | 17.22 | -22.75 *** |
| \% Children | 76.03 | 42.69 | 53923 | 51.53 | 49.98 | 4425 | -24.50 | 36.20 *** |
| Tradition | 0.38 | 1.25 | 53754 | -0.46 | 1.30 | 4417 | -0.84 | 42.82 *** |
| Conformity | 0.34 | 1.18 | 53735 | 0.33 | 1.19 | 4418 | -0.01 | 0.60 |
| Achievement | -0.15 | 1.14 | 53691 | 0.18 | 1.09 | 4421 | 0.33 | -18.75 *** |
| *** $\mathrm{p}<0.01,{ }^{* *} \mathrm{p}<0.0$ | ${ }^{\text {p }}$ < $<0.1$ |  |  |  |  |  |  |  |

Table 4: Gender Differences in Tradition, Conformity, and Achievement Values

| Model: | (1) | (2) | (3) |
| :---: | :---: | :---: | :---: |
| Dep. Var.: | Tradition | Conformity | Achievement |
| Panel A: CFA Member Sample |  |  |  |
| Female | $\binom{-0.172 * * *}{[0.025]}$ | $\begin{gathered} \hline-0.130^{* * *} \\ {[0.034]} \end{gathered}$ | $\begin{gathered} \hline 0.187 * * * \\ {[0.019]} \end{gathered}$ |
| Observations | 4,417 | 4,418 | 4,421 |
| R-squared | 0.080 | 0.040 | 0.059 |
| PanerB: CFA Member and WVS Combined Sample |  |  |  |
| Female | $\binom{0.098 * * *}{[0.014]}$ | $\begin{gathered} \hline 0.087 * * * \\ {[0.014]} \end{gathered}$ | $\begin{gathered} \hline-0.108 * * * \\ {[0.013]} \end{gathered}$ |
| CFA | -0.607*** | $\begin{gathered} 0.129 \\ {[0.106]} \end{gathered}$ | $\begin{gathered} 0.103 \\ {[0.117]} \end{gathered}$ |
| Female*CFA | -0.262*** | $\begin{gathered} -0.216^{* * *} \\ {[0.040]} \end{gathered}$ | $\begin{gathered} 0.266^{* * *} \\ {[0.024]} \end{gathered}$ |
| Observations | 58,137 | 58,120 | 58,079 |
| R-squared | 0.146 | 0.060 | 0.087 |
| Panel C: Controls for Panel A \& B Regressions |  |  |  |
| Age Category | Yes | Yes | Yes |
| Country | Yes | Yes | Yes |
| Education ${ }^{(1)}$ | Yes | Yes | Yes |
| Income Decile | Yes | Yes | Yes |
| Married | Yes | Yes | Yes |
| Children | Yes | Yes | Yes |

Robust standard errors in brackets; *** $\mathrm{p}<0.01,{ }^{* *} \mathrm{p}<0.05,{ }^{*} \mathrm{p}<0.1$

Table 5: Gender and the Desire to Work Less when faced with Linear Pay Structure
The dependent variable is a dummy variable that takes a value of one if survey respondents indicated they would work $10 \%$ (or $25 \%$ ) fewer hours for $10 \%(25 \%)$ less pay.


Table 6: The Effect of Values on the Desire to Work Less

| Model: | (1) | (2) | (3) | (4) |
| :---: | :---: | :---: | :---: | :---: |
| Female* $<40 *$ Tradition | 0.007 |  |  | -0.003 |
| Female* $\geq 40 *$ Tradition | 0.048** |  |  | 0.039** |
| Male* ${ }^{*} 40^{*}$ Tradition | -0.004 |  |  | -0.009 |
| Male* $\geq 40 *$ Tradition | -0.005 |  |  | -0.007 |
| Female* $<40 *$ Conformity |  | -0.010 |  | -0.018 |
| Female* $\geq 40 *$ Conformity |  | 0.035* |  | 0.026 |
| Male*<40*Conformity |  | -0.007 |  | -0.010 |
| Male* $\geq 40$ * Conformity |  | 0.007 |  | 0.007 |
| Female*<40*Achievement |  |  | -0.077*** | $-0.080^{* * *}$ |
| Female* $\geq 40 *$ Achievement |  |  | -0.026 | -0.016 |
| Male*<40*Achievement |  |  | -0.033*** | $-0.036^{* * *}$ |
| Male* $\geq 40$ *Achievement |  |  | -0.007 | -0.008 |
| Fixed Effects: |  |  |  |  |
| Gender | YES | YES | YES | YES |
| Marrrage | YES | YES | YES | YES |
| Children | YES | YES | YES | YES |
| Age Category | YES | YES | YES | YES |
| Country | YES | YES | YES | YES |
| Education | YES | YES | YES | YES |
| Occupation | YES | YES | YES | YES |
| Income Decile | YES | YES | YES | YES |
| Observations | 4,553 | 4,555 | 4,558 | 4,543 |
| R-squared | 0.055 | 0.054 | 0.060 | 0.062 |

## Family, Values, and Women in Finance

- Female CFA members value tradition and conformity less than other women and less than male CFA members.
- Female CFA members value achievement more than other women and more than male CFA members.
- Female CFA members, especially those who are married and have children, are more likely than male CFA members to express a preference for recapturing time from work.
- Older CFA women who value tradition are more likely to express a preference for recapturing time from work.
- One avenue to attracting more women to finance would be to structure and reward jobs in a way that supports temporal flexibility.


[^0]:    ${ }^{* * *} \mathrm{p}<0.01,{ }^{* *} \mathrm{p}<0.05,{ }^{*} \mathrm{p}<0.1$

