# Women dislike competing against men 

Diogo Geraldes
Maastricht University

## Motivation/Background

- A stylized fact about gender differences is the gap in wages and positions at the workplace (sources: Eurostat; She Figures)
- Experimental economics studies on men and women selfselection into competitive environments (e.g., Niederle and Vesterlund, QJE 2007; Dohmen and Falk, AER 2011; Gneezy, Leonard and List, Econometrica 2009)

Motivation/Background

## Measure of competitive attitude

Choice between two payment alternatives for a subsequent work task performance


## Motivation/Background

- A stylized fact about gender differences is the gap in wages and positions at the workplace (source: Eurostat 2009)
- Experimental economics studies on men and women selfselection into competitive environments (e.g., Niederle and Vesterlund, QJE 2007; Dohmen and Falk, AER 2011; Gneezy, Leonard and List, Econometrica 2009)
- Experimental economics studies motivated by the Affirmative Action policy debate (e.g., Balafoutas and Sutter, Science 2012; Niederle, Segal and Vesterlund, Management Science 2013)

Motivation/Background
Measure of competitive attitude with AA Policy
Choice between two payment alternatives for a subsequent work task performance


- Quotas
- Head start $\checkmark$
- Repetition of the competition $x$


## Possible problem in the literature

- The standard procedure in the literature is to conduct balanced mixed-sex laboratory sessions without making reference to the gender composition of participants (e.g., Niederle and Vesterlund, QJE 2007; Gneezy, Leonard and List, Econometrica 2009; Cason, Masters and Sheremeta, JPE 2010; Dohmen and Falk, AER 2011)
- The claim that women shy away from competition per se might be compromised


## Research Question

- Do women have an aversion against competition per se? Or, rather, do they shy away from competing against men, at least within a stereotypically male-typed domain?

Approach

- Investigate whether manipulating the perception of the sex of potential competitors alters women's willingness to compete in a male-typed domain


## Focus on a Male-typed Domain

## - Why?

Preserve the spirit of the most representative labor markets and educational programs in which the gender gaps are a serious concern (e.g., high-level business positions, STEM fields).

- How?

Use of a mathematical work task because:

- Stereotype that men are better at mathematics (e.g., Spencer, Steele and Quinn, J. Experimental Social Psychology 1999, recent survey using participants of our subject pool)
- There is empirical and theoretical basis to expect women to dislike competing against men in this context (Stereotype Threat [e.g., Inzlicht and Schmader, 2013]; Negative Selfstereotyping [Bordalo, Gennaioli and Schleifer, 2014])


## Hypotheses

- Women are not less competitive than men
- But, at least in a male-typed domain, women dislike facing a male competitor


## Experimental Design

## Replication Condition

- Choice between a non-competitive and a competitive payment scheme (2 alternatives)


## Choice of Sex Condition

- Choice between a non-competitive and two competitive payment scheme ( $\mathbf{3}$ alternatives)


## Chart of the Experiment: Replication Condition



## Work Task (Niederle and Vesterlund, 2007)

## $31+53+56+37+58=?$

The sum of the 5 two-digit numbers displayed above is:

Please click OK to confirm your answer.


## Chart of the Experiment: Replication Condition



## Chart of the Experiment: Replication Condition

| Step 1 | Step 2 | - Step 3 | Step 4 |
| :---: | :---: | :---: | :---: |
| Practice Round | Elicitation of subjects' productivity | $!$ |  |
| Work task: <br> Calculate as many. addition problems as possible (Niederle and Vesterlund, 2007) <br> No payment <br> (2 minutes) | Piece-rate incentive scheme: € 0.5 per correct answer (5 minutes) | $\square$ |  |

## Chart of the Experiment: Replication Condition

| Step 1 | Step 2 | Step 3 | Step 4 |
| :---: | :---: | :---: | :---: |
| Practice Round | Elicitation of subjects' productivity | Choice of payment scheme for the subsequent 5 minutes performance |  |
| Work task: <br> Calculate as many addition problems as possible (Niederle and Vesterlund, 2007) <br> No payment <br> (2 minutes) | Piece-rate incentive scheme € 0.5 per correct answer (5 minutes) | Option 1 <br> Random Pay incentive scheme <br> A participant earns € 1 per correct problem with a 50\% chance |  |

## Chart of the Experiment: Replication Condition

| Step 1 | Step 2 | Step 3 | Step 4 |
| :---: | :---: | :---: | :---: |
| Practice Round | Elicitation of subjects' productivity | Choice of payment scheme for the subsequent 5 minutes performance |  |
| Work task: <br> Calculate as many addition problems as possible <br> (Niederle and Vesterlund, 2007) <br> No payment <br> (2 minutes) | Piece-rate incentive scheme € 0.5 per correct answer (5 minutes) | Option 1 <br> Random Pay incentive scheme <br> A participant earns € 1 per correct problem with a $50 \%$ chance <br> Option 2 <br> Winner-take-all tournament <br> Pairwise competition against a randomly chosen participant who glso selects to compete. Winner earns € 1 per correct problem |  |

## Chart of the Experiment: Replication Condition

| Step 1 | Step 2 | Step 3 | Step 4 |
| :---: | :---: | :---: | :---: |
| Practice Round | Elicitation of subjects' productivity | Choice of payment scheme for the subsequent 5 minutes performance |  |
| Work task: <br> Calculate as many addition problems as possible (Niederle and Vesterlund, 2007) <br> No payment <br> (2 minutes) | Piece-rate incentive scheme: € 0.5 per correct answer (5 minutes) | Option 1 <br> Random Pay incentive scheme <br> A participant earns € 1 per correct problem with a $50 \%$ chance <br> Option 2 <br> Winner-take-all tournament <br> Pairwise competition against a randomly chosen participant who also selects to compete. Winner earns © 1 per correct problem | Performance under the chosen payment scheme <br> (5 minutes) |

# Replication Condition Results 

Piece-rate baseline performance

## Replication Condition: Ability difference?

## Piece-rate baseline performance

(in average number of correct answers)



Note: MW test stands for Mann-Whitney test

## Replication Condition Results

## Choice of payment scheme

Replication Condition Results: 38 percent of women choose competition

Choice of payment scheme


Replication Condition: 69 percent of men choose competition

Choice of payment scheme


Replication Condition: This observed gender gap in competition entry is both substantial and significant

Choice of payment scheme


Replication Condition: This observed gender gap in competition entry is both substantial and significant

Choice of payment scheme


# Choice of Sex Condition 

Experimental Design

## Chart of the Experiment: Choice of Sex Condition

| Step 1 | Step 2 | Step 3 | - Step 4 |
| :---: | :---: | :---: | :---: |
| Practice Round | Elicitation of subjects' productivity | Choice of payment scheme for the subsequent 5 minutes performance |  |
| Work task: <br> Calculate as many addition problems as possible (Niederle and Vesterlund, 2007) <br> No payment <br> (2 minutes) | Piece-rate incentive scheme) € 0.5 per correct answer (5 minutes) | Option 1 <br> Random Pay incentive scheme | Performance under the chosen payment scheme (5 minutes) |

## Chart of the Experiment: Choice of Sex Condition

| Step 1 | Step 2 | Step 3 | - Step 4 |
| :---: | :---: | :---: | :---: |
| Practice Round | Elicitation of subjects' productivity | Choice of payment scheme for the subsequent 5 minutes performance |  |
| Work task: <br> Calculate as many addition problems as possible <br> (Niederle and <br> Vesterlund, 2007) <br> No payment <br> (2 minutes) | Piece-rate incentive scheme € 0.5 per correct answer (5 minutes) | Option 1 <br> Random Pay incentive scheme <br> Option 2 <br> Winner-take-all tournament against a man <br> Pairwise competition against a randomly chosen man who also selects to compete. | Performance under the chosen payment scheme <br> (5 minutes) |

## Chart of the Experiment: Choice of Sex Condition



# Choice of Sex Condition Results 

Piece-rate baseline performance

## Choice of Sex Condition: Ability difference?

Piece-rate baseline performance

(in average number of correct answers)


Note: MW test stands for Mann-Whitney test

# Choice of Sex Condition Results 

## Choice of payment scheme

Choice of Sex Condition Results: 67 percent of women choose competition

Choice of payment scheme
 choose competition

Choice of payment scheme


Choice of Sex Condition Results: men and women competition entry is not significantly different

Choice of payment scheme


## In a nutshell

- When given the possibility to choose the sex of the competitor, men and women similarly self-select into a competitive environment
- The narrowing of the gender gap in competition entry is due to a significant increase of women who choose to compete:

|  | Replication <br> Condition | Choice of Sex <br> Condition | Fisher's exact test |
| :--- | :---: | :---: | :---: |
| WOMEN | $38 \%$ | $67 \%$ | 0.014 |

## In a nutshell

- When given the possibility to choose the sex of the competitor, men and women similarly self-select into a competitive environment
- The narrowing of the gender gap in competition entry is due to a significant increase of women who choose to compete:

| Replication <br> Condition | Choice of Sex <br> Condition | Fisher's exact test |
| :---: | :---: | :---: |
| WOMEN | $38 \%$ | $67 \%$ |
| MEN | $69 \%$ | $75 \%$ |

# Choice of Sex Condition Results 

## Choice of the

 competitor's sex
## Choice of Sex Condition Results: Women choose

 significantly more a female competitor

Choice of Sex Condition Results: Men also choose more a female competitor, but this inclination is not significant

Choice of competitor's sex


## A further condition

- These results are consistent with the hypothesis that the sex of potential competitors importantly affects women's decision to enter into competition
- A further condition...


## All Women Condition

- Same design of the replication condition (2 payment alternatives)
- Only women participate


# All Women Condition Results 

Piece-rate baseline performance

## All Women Condition: Ability difference?

Women's piece-rate baseline performance across conditions (in average number of correct answers)

## Replication <br> All Women <br> Choice of Sex

$$
\begin{aligned}
& 10.28 \text { <------------> } 10.45 \\
& \text { MW test: } \mathrm{p}=0.713 \\
& \text { MW test: } \mathrm{p}=0.926
\end{aligned}
$$

Note: MW test stands for Mann-Whitney test

# All Women Condition Results 

## Choice of payment scheme

All Women Condition Results: 71 percent of women choose competition


## DISCUSSION

- Is there evidence to establish a connection between the stereotype that men are better at mathematics and women's choice of payment scheme?

Preference-based connection: Stereotype
Threat "shapes" women's preference to compete
and/or

Confidence level connection: Negative self-stereotyping bias women's confidence level to compete

## DISCUSSION

## Stereotype-based beliefs

## Stereotype-based beliefs: Elicitation

| Step 1 | Step 2 | Step 3 | Step 4 |
| :---: | :---: | :---: | :---: |
| Practice Round | Elicitation of subjects' productivity | Choice of payment scheme for the subsequent 5 minutes performance |  |
| Work task: <br> Calculate as many addition problems as possible (Niederle and Vesterlund, 2007) <br> No payment <br> (2 minutes) | Piece-rate incentive scheme: € 0.5 per correct answer (5 minutes) | Option 1 <br> Random Pay incentive scheme <br> A participant earns € 1 per correct problem with a 50\% chance <br> Option 2 <br> Winner-take-all tournament <br> Pairwise competition against a randomly chosen participant who also selects to compete. Winner earns € 1 per correct problem | Performance under the chosen payment scheme <br> (5 minutes) |

Note: Elicitation is monetarily incentivized

## Stereotype-based beliefs: Results

Participants' estimate of the gender gap in performance (in number of correct answers)

|  | Replication | Choice of Sex | All Women |
| :---: | :---: | :---: | :---: |
| Men | $1.1^{* * *}$ | $0.8^{* * *}$ | n.a. |
| Women | $2.1^{* * *}$ | $1.7^{* * *}$ | $1.6^{* * *}$ |

Note: *** significant at $\mathbf{1 \%}$ refers to Wilcoxon signed-rank tests.
$\Rightarrow$ Accommodates a preference-based explanation grounded on Stereotype Threat. Yet...

## DISCUSSION

- Is there evidence to establish a connection between the stereotype that men are better at mathematics and the choice of payment scheme?

Preference-based connection: Stereotype
Threat "shapes" women's preference to compete
and/or

Confidence level connection: negative self stereotyping bias women's confidence level to compete

## DISCUSSION

Winning beliefs

## Winning beliefs: Elicitation

| 1 |  |  |  |
| :---: | :---: | :---: | :---: |
| Step 1 | Step 2 | Step 3 | Step 4 |
| Practice Round | Elicitation of subjects' productivity | Choice of payment scheme for the subsequent 5 minutes performance |  |
| Work task: <br> Calculate as many addition problems as possible (Niederle and Vesterlund, 2007) <br> No payment <br> (2 minutes) | Piece-rate incentive scheme: € 0.5 per correct answer (5 minutes) | Option 1 <br> Random Pay incentive scheme <br> A participant earns <br> € 1 per correct problem with a $50 \%$ chance <br> Option 2 <br> Winner-take-all tournament <br> Pairwise competition against a randomly chosen participant who $\underline{\text { also }}$ selects to compete. Winner earns $€ 1$ per correct problem | Performance under the chosen payment scheme <br> (5 minutes) |
| Note: Elicitati | monetarily incenti | - I |  |

## Winning beliefs: Results

## Winning beliefs

(in average percentage)

Replication Choice of Sex All Women
Men $44.5 \% \quad 44 \% \quad$ n.a.
Women $\quad 41.5 \% \quad 44.9 \% \quad 44.6 \%$

Confidence level is not significantly different between the sexes nor across conditions (Mann-Whitney test, $p>0.264$ for any of the comparisons)

## Winning beliefs: Results

## Probit models of payment choice

Dependent variable: 1 if payment choice is a winner-take-all tournament

|  | Panel A |  |  | Panel B |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Replication $r--(1)_{--1}$ | Choice of Sex <br> (2) | All Women <br> (3) | Replication $r-\frac{(4)}{1}$ | Choice of Sex (5) | All Women <br> (6) |
| 1 iffemale | $\frac{-0.32^{* * *}}{[\overline{0} \overline{123}]}$ | $\begin{gathered} -0.11 \\ {[0.089]} \end{gathered}$ | n.a. | $\frac{-0.28^{* * *}}{[\overline{0} \overline{106]}}$ | $\begin{gathered} -0.11 \\ {[0.084]} \end{gathered}$ | n.a. |
| Baseline performance | $\begin{aligned} & 0.05^{* * *} \\ & {[0.016]} \end{aligned}$ | $\begin{aligned} & 0.04^{* * *} \\ & {[0.010]} \end{aligned}$ | $\begin{aligned} & 0.04^{* * *} \\ & {[0.010]} \end{aligned}$ | $\begin{gathered} 0.03^{*} \\ {[0.017]} \end{gathered}$ | $\begin{gathered} 0.02^{*} \\ {[0.012]} \end{gathered}$ | $\begin{gathered} 0.02 \\ {[0.013]} \end{gathered}$ |
| Risk score | $\begin{gathered} -0.007 \\ {[0.028]} \end{gathered}$ | $\begin{gathered} 0.016 \\ {[0.017]} \end{gathered}$ | $\begin{gathered} 0.022 \\ {[0.025]} \end{gathered}$ | $\begin{gathered} -0.004 \\ {[0.023]} \end{gathered}$ | $\begin{gathered} 0.017 \\ {[0.017]} \end{gathered}$ | $\begin{gathered} 0.024 \\ {[0.023]} \end{gathered}$ |
| Winning belief |  |  |  | $\begin{gathered} 0.009^{* * *} \\ {[0.002]} \end{gathered}$ | $\begin{gathered} 0.006^{* * *} \\ {[0.002]} \end{gathered}$ | $\begin{aligned} & 0.005^{* *} \\ & {[0.002]} \end{aligned}$ |
| Observations | 58 | 90 | 56 | 58 | 90 | 56 |
| Pseudo $\mathrm{R}^{2}$ | 0.169 | 0.120 | 0.133 | 0.388 | 0.197 | 0.190 |

Note: The table reports marginal effects. Robust standard errors in brackets. $* * *, * *$ and $*$ significant at $\mathbf{1 \%}, \mathbf{5 \%}$ and $10 \%$, respectively.

## DISCUSSION

## Belief in the sex of potential competitors

## Belief in the sex of potential competitors

- Participants are not informed about the gender composition in the lab before the choice of payment scheme, but...
- A participant's belief in the sex of potential competitors depends upon how a participant:
i. Perceives the gender composition of participants present in the lab
ii. Belief in the likelihood of each sex to enter into competition


## Belief in the sex of potential competitors

- Participants are not informed about the gender composition in the lab before the choice of payment scheme, but...
- A participant's belief in the sex of potential competitors depends upon how a participant:
i. Perceives the gender composition of participants present in the lab
$\rightarrow$ Almost every woman correctly perceive the actual gender composition
ii. Belief in the likelihood of each sex to enter into competition


## Belief in the sex of potential competitors

- Participants are not informed about the gender composition in the lab before the choice of payment scheme, but...
- A participant's belief in the sex of potential competitors depends upon how a participant:
i. Perceives the gender composition of participants present in the lab
$\rightarrow$ Almost every woman correctly perceive the actual gender composition
ii. Belief in the likelihood of each sex to enter into competition


## Belief in the sex of potential competitors: Elicitation ii.



## Belief in the sex of potential competitors: Results ii.

Women's belief in the likelihood of each sex to enter into competition (in percentage)

|  | Replication | Choice of Sex | All Women |
| :---: | :---: | :---: | :---: |
| Probability men enter | $70.6 \%$ | $72 \%$ | n.a. |
| Probability women enter | $51.5 \%$ | $64.4 \%$ | $65.4 \%$ |

## Belief in the sex of potential competitors: Results ii.

Women's belief in the likelihood of each sex to enter into competition (in percentage)

|  | Replication | Choice of Sex | All Women |
| :---: | :---: | :---: | :---: |
| Probability men enter | $70.6 \%$ | $72 \%$ | n.a. |
| Probability women enter | $51.5 \%$ | $64.4 \%$ | $65.4 \%$ |

## Belief in the sex of potential competitors: Results ii.

## Women's belief in the likelihood of each sex to enter into competition

 (in percentage)|  | Replication | Choice of Sex | All Women |
| :---: | :---: | :---: | :---: |
| Probability men enter | $70.6 \%$ | $72 \%$ | n.a. |
| Probability women enter | $-51.5 \%$ | $64.4 \%$ | $65.4 \%$ |

$\Rightarrow$ In the replication condition, in which women cannot avoid the possibility of a mixed-sex competition in case they compete, women's belief in other women's willingness to compete is significantly lower (MW test, $\mathrm{p}<0.01$ for the two comparisons)

## Belief in the sex of potential competitors: Results ii.

## Probit models of payment choice (only women)

| Dependent variable: 1 if payment choice is a winner-take-all tournament |  |  |
| :--- | :---: | :---: |
|  | Replication <br> Choice of sex |  |
|  | $(1)$ | $(2)$ |
| Baseline performance | 0.03 | 0.02 |
|  | $[0.040]$ | $[0.021]$ |
| Risk score | -0.02 | 0.01 |
|  | $[0.043]$ | $[0.026]$ |
| Winning belief | $0.010^{* * *}$ | $0.005^{* *}$ |
|  | $[0.002]$ | $[0.002]$ |
| Belief percentage men among competitors | $-0.024^{* *}$ | $-0.014]$ |
|  | $[0.012]^{-1}$ | $[0.009]^{-1}$ |
| Observations | 29 | 45 |
| Pseudo $\mathrm{R}^{2}$ | 0.468 | 0.191 |

Note: The table reports marginal effects. Robust standard errors in brackets. *** and ** significant at $1 \%$ and $5 \%$, respectively.

## Belief in the sex of potential competitors: Results ii.

## Probit models of payment choice (only women)

|  | Dependent variable: 1 if payment choice is a winner-take-all tournament |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Panel A |  |  | Panel B |  |  |
|  | Replication <br> (1) | Choice of Sex <br> (2) | All Women <br> (3) | Replication <br> (4) | Choice of Sex <br> (5) | All Women <br> (6) |
| Baseline performance | $\begin{gathered} 0.03 \\ {[0.033]} \end{gathered}$ | $\begin{gathered} \hline 0.03 \\ {[0.021]} \end{gathered}$ | $\begin{gathered} 0.02 \\ {[0.013]} \end{gathered}$ | $\begin{gathered} 0.03 \\ {[0.038]} \end{gathered}$ | $\begin{gathered} 0.03 \\ {[0.016]} \end{gathered}$ | $\begin{gathered} \hline 0.01 \\ {[0.011]} \end{gathered}$ |
| Risk score | $\begin{gathered} 0.01 \\ {[0.035]} \end{gathered}$ | $\begin{gathered} 0.01 \\ {[0.026]} \end{gathered}$ | $\begin{gathered} 0.02 \\ {[0.023]} \end{gathered}$ | $\begin{gathered} -0.01 \\ {[0.041]} \end{gathered}$ | $\begin{gathered} -0.03 \\ {[0.025]} \end{gathered}$ | $\begin{gathered} 0.01 \\ {[0.024]} \end{gathered}$ |
| Winning belief | $\begin{gathered} 0.010^{* * *} \\ {[0.002]} \end{gathered}$ | $\begin{aligned} & 0.005^{* *} \\ & {[0.003]} \end{aligned}$ | $\begin{aligned} & 0.005^{* *} \\ & {[0.002]} \end{aligned}$ | $\begin{aligned} & 0.010^{* * *} \\ & {[0.002]} \end{aligned}$ | $\begin{aligned} & 0.005^{* *} \\ & {[0.002]} \end{aligned}$ | $\begin{aligned} & 0.005^{* *} \\ & {[0.002]} \end{aligned}$ |
| Belief probability men enter |  |  |  | $\begin{gathered} -0.008 \\ {[0.007]} \end{gathered}$ | $\begin{gathered} 0.005 \\ {[0.004]} \end{gathered}$ | n.a. |
| Belief probability women enter |  |  |  | $-$ | $-\frac{0.014^{* * *}}{[0.003]^{-}}$ |  |
| Observations | 29 | 45 | 56 | 29 | 45 | 56 |
| Pseudo $\mathrm{R}^{2}$ | 0.340 | 0.166 | 0.190 | 0.492 | 0.366 | 0.322 |

Note: The table reports marginal effects. Robust standard errors in brackets. $* * *$ and $* *$ significant at $\mathbf{1 \%}$ and $5 \%$, respectively.

## Conclusions: Behaviour

- Women are not less competitive than men
- Women "just" dislike competing against men
- Importantly, in each condition, the more women believe other women compete, the more likely they are to enter into competition


## Conclusions: Policy implications

- Affirmative Action policy (e.g., Balafoutas and Sutter, Science 2012; Niederle et al., Management Science 2013)
- Quotas or a head start for women boosts women's competition entry...but also significantly decrease men's competition entry.
- My study suggests an alternative, and likely less controversial, course of action to encourage women to enter into competitive male-typed domains

Highlight women who do enter or seek to enter into these domains, rather than highlighting women's underrepresentation (e.g., Academic Economics Job Market)

## THANK YOU!

## Conclusions: Words of caution

- This study only considers the supply-side...
- Analysis and discussion was directed to understand how to promote women to compete more in a mixed-sex context. However, there are circumstances in which encouraging competitive behavior might not be desirable (e.g., joint work in mixed-sex teams)
- From this perspective, the results indicate that the relevant question to be studied would be how to promote men to compete less rather than women to compete more...


## Belief in the sex of potential competitors: Elicitation 1.



## Belief in the sex of potential competitors: Elicitation i.

How do you perceive the gender composition of participants in this experimental session? Please choose the option that better describes your perception:

- I did not notice the gender composition of participants
- Only female participants
- Mainly female participants
- Balanced composition
- Mainly male participants
- Only male participants


## Belief in the sex of potential competitors: Results i.

## Unawareness of the gender composition

(in percentage)

|  | Replication | Choice of Sex | All Women |
| :---: | :---: | :---: | :---: |
| Men | $45 \%$ | $53 \%$ | n.a. |
| 1 Women | $14 \%$ | $13 \%$ | $16 \%$ |

Note: The percentage refers to the men (women) who chose the alternative "I did not notice the gender composition of participants in this experimental session".
$\Rightarrow$ The overwhelmingly majority of women report that they did notice the gender composition, whereas for men this aspect has not distinctively attracted their attention

## Belief in the sex of potential competitors: Results i.

Women's perception of the gender composition
(in percentage)

|  | Only <br> female | Mainly <br> female | Balanced <br> composition | Mainly <br> male | Only <br> male |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Replication | $0 \%$ | $4 \%$ | $88 \%$ | $8 \%$ | $0 \%$ |
| Choice of Sex | $0 \%$ | $8 \%$ | $90 \%$ | $2 \%$ | $0 \%$ |
| All Women | $87 \%$ | $11 \%$ | $0 \%$ | $2 \%$ | $0 \%$ |

$\Rightarrow$ Almost every woman correctly perceives the actual gender composition of participants present in the lab

