

Gender Targeting in U.S. Newspaper Ads: 1940-2000

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¹Research results and conclusions expressed are those of the authors and do not necessarily reflect the views of the Federal Reserve Bank of Philadelphia, the Federal Reserve System, or the Federal Reserve Board of Governors.

Background

Gender pay gap

- ▶ Rapid convergence in the 80s, 90s; little change in the 60s, 70s
- ▶ Changes in human capital accumulation; technological change; home appliances; gender norms have been linked to progress

Do employers overtly discriminate when they are allowed to?

- ▶ 1964 Civil Rights Act: “prohibits employment discrimination based on race, color, religion, sex and national origin.”
- ▶ Equal Employment Opportunity Commission formed in 1965.
- ▶ 1969 lawsuit filed by National Organization of Women for segregating job ads.
 - ▶ Pittsburgh Press v. Pittsburgh County on Human Relations et al. (1973)

How do employers transition from discriminating to not?

- ▶ Do employers substitute towards more subtle targeting?
- ▶ Is any sluggish response correlated with sluggish employment or wage outcomes?

Background: Job Ads in 1958

Help Wanted—Female

TEMPORARY

ARE YOU . . .

Frankly 46—but on this side of 60?
we take them younger, too . . .

A visitor in New York?

A housewife whose children are at school?

**A permanent job seeker — or ap-
pointed, whose duties do not start
immediately?**

**Your FREE TIME is
PROFIT-TIME**

**Put Your Skill to Work
at INTERESTING
TEMPORARY ASSIGNMENTS**

**UPTOWN & DOWNTOWN
MANHATTAN LOCATIONS**

**Work 3 to 5 FULL days or
more in our clients' offices**

NEEDED NOW . . .

STENOGRAHERS

TYPISTS-STAT TYPISTS

TRANSCRIPTION OPERS

COMPTR & CALC OPERS

SWITCHBOARD OPERS

No part days, evenings or Saturdays!
NO FEES TO APPLICANTS
Interviews & phone calls 10 AM-4 PM

**TEMPORARY
OFFICE SERVICES**

150 NASSAU ST., N.Y.C.
ROOM 621 WO 4-1352
130 W 42 ST., N.Y.C.
ROOM 2001 LA 4-3410

TEMPORARY

Help Wanted—Female

TYPISTS
(To Age 50)

— EXCELLENT SALARIES —
— REGULAR INCREASES —
Experienced Preferred

- MODERN OFFICES (AIR-CONDITIONED)
- COFFEE SERVICE
- LUNCHEON FACILITIES
- PLEASANT BUSINESS
- CONVENIENT LOCATION (DOWNTOWN MANHATTAN)

**THE TRAVELERS
INSURANCE CO.**

80 JOHN ST.
MR. MALLORY

DI 4-7000

TYPISTS
EXPERIENCED

We offer a variety of interesting & diversified positions with salaries geared to your abilities. Excellent working conditions and congenial co-workers plus liberal company benefits. 5 DAYS 36½ HOURS

Call Mr. D. Lotufo JU 2-6658

FOSTER WHEELER CORP.
665 5th Ave. NY (52-53 STS) 4th Fl.

TYPISTS

THE NEW YORK TIMES, SUNDAY, JAN. 5, 1958

W 7

Help Wanted—Female	Help Wanted—Female	Help Wanted—Female
TYPISTS	TYPIST	TYPISTS
A New Job in Sight FOR YOU IN '58 . . .	An experienced typist is needed to do varied work for top engineering company.	COULD YOU TYPE THIS AD IN THREE MINUTES?
IF YOU: • Have a High School diploma • Type 40-50 W.P.M. • Are 17-30.	A minimum speed of 40 to 45 wpm is required.	That's all it takes to qualify for one of an extremely wide variety of jobs we can presently offer. Excellent training from simple typing to Dictaphone training. Front office, telephone, multilift and vari-type. These jobs can start as high as a \$500 per month base, can offer excellent chance for advancement. Include free insurance, medical service and a profit sharing plan that works.
WE OFFER: Promotional Opportunities IN OUR EXECUTIVE OFFICES	Join our friendly professional staff in modern offices conveniently located nr three subways.	For a job with a future here's a chance to select one from our collection. Stop in any day this week for a free interview. See the floor, look them over for yourself. M. R. LYNCH PIERCE, FENNER BEANE, 70 Pine Street, New York C
COMPANY CAFETERIA MANY EMPLOYEE BENEFITS	. CALL MISS A. M. RETTIG BA 7-5900	
APPLY IN PERSON 300 PARK AVE. at 50th St. 5th Floor	BURNS and ROE, Inc. Engineers & Constructors 160 WEST BWAY, NEW YORK	TYPISTS
TYPISTS	Typists . . . \$60 St Electric typewriter. Pleasant air-conditioned office. Engineering firm. VOLT TECHNICAL CORP. 241 Church St., NYC WO 6-0708	TYPISTS
Moving Up?	LAB TECHNICIAN Fundamental work on enzymes including isolation. Marine degree or equivalent preferred. Good starting salary. Modern community hospital located in midtown from Pay station on LIFFE PERSONNEL DEPARTMENT.	BEGINNERS—EXP
INSURANCE COMPANY OF NORTH AMERICA COMPANIES 770 BROADWAY (9 ST.) 10 FL. Phone BE 3-8010, ext 314	NORTH SHORE HOSPITAL VALLEY ROAD, MANHASSET, L.I. MANHASSET 7-3600 EAST 272	Five positions open at \$50-\$60 to start. Diversified duties. 35 wpm satisfactory. 9 to 5, 3 days. Full employee benefits.
TYPISTS	TYPIST-CLERKS Interesting positions for young women with 6 mos' to 1 year experience, providing promotional opportunities, good salaries and other benefits. Modern offices are conveniently located near	APPLY IN PERSON 120 Bway (Rm 41 (Near Wall St)
EXPD		TYPISTS
BEGINNERS	\$60-65	Various Locations
	\$56	Salary \$52 to \$60 Per Week AGES 20-45 YEARS Many employee benefits

Background: Job Ads in 1978

Help Wanted

2600

PURCHASING ASSISTANT mW1

Increase your professional skills at a major book publisher

An Associate's Degree or equivalent plus 2 years work experience earns you an opportunity to enlarge the scope of your know-how and puts you in position for long range growth with this major book publisher. You'll be involved in invoice processing, accounts receivable, competitive bids. Heavy phone contact with vendors and company requisitioners. Salary \$1600 depending on experience. Excellent fringe benefits, interesting environment. For interview appointment:

Call Janet Tylor

935-3127

An equal opportunity employer M/F
PURCHASING

Join A Winning Team! BUYER

Foster Wheeler, a leading Fortune 500 company serving the energy field has an exciting career opportunity available for a buyer.

We are seeking an individual with an engineering degree and a strong background in buying castings.

Salary will be commensurate with experience, experience, wide ranging contacts and a professional and congenial atmosphere. Please send resume and salary history in confidence to: Roval M. Cowles, Dept NTB 11/12

FOSTER WHEELER ENERGY CORPORATION

110 SOUTH ORANGE AVENUE
LIVINGSTON, NEW JERSEY 07039
Equal Opportunity Employer M/F/H

PURCHASING ASSISTANT BUYER

Due to growth and expansion of our company, we have a position available

Help Wanted

2600

QUALITY CONTROL MANAGER

An interesting opportunity for an experienced Quality Control Manager to join the staff of this rapidly expanding consumer products manufacturer.

The individual we seek will have prior background to further develop, implement, and monitor an organization-wide program in Quality Control. Previous experience in the printing industry is desirable, but not mandatory.

The successful candidate will receive an attractive compensation package as well as outstanding company paid benefits program.

Please send resume, in strict confidence, stating work history and salary requirements, to:

V.P. PERSONNEL RUDCO

INDUSTRIES, INC.
123 Tryon Ave. West
Teaneck, NJ 07666

An equal opportunity employer M/F
QUALITY

SUPERVISION

Excellent opportunity to join tea rated manufacturer electric/mechanical/plastic consumer goods.

Technically oriented person to seek out problem areas and initiate corrective test procedures.

We seek college trained person with good verbal and written skills capable of accepting responsibility and growth.

- ...PAID Blue Cross
- ...PAID Blue Shield
- ...PAID Major Medical/Life
- ...PAID Dental
- ...PAID Vision
- ...PAID Holidays
- ...PAID Sick Days
- ...PAID Vacation
- ...PAID Tuition Refund

Submit resume or call
Victor Turman: 381-7000

Emerson Quiet Kool

Help Wanted

2600

RADIATION THERAPIST

Full time. Experienced. Licensed. Good benefits.
DEEP DALE GENERAL HOSPITAL
55-100 Ridgefield Avenue
Little Neck, N.Y. 11362
(212) 428-3000; ext 618

RADIOGRAPHER

-Level I or 2-

Perform radiography of power plant pipe welds in accordance with Section III ASME code.

Steady work, good pay & benefits, including profit-sharing. Ridgewood/Massey area.

(212) 386-0700 Ext 356

RADIOLOGY TECHNOLOGIST

Full time plus some call position available for registered ARRT or CRT to work with EMI Body Scanner. Experience preferred but will train and as a staff technologist.

Please join our JCAH expanding to full accreditation. We offer excellent bilingual areas with the beautiful desert, rodeo country, 2 hours east of San Diego, south of Palm Springs and just 30 miles from Mexican border. Good working benefits. Contact PERSONNEL Dept.

(714) 344-1210 Ext 726
8:30 AM to 5:30 PM
Monday through Friday

PIONEER'S MEMORIAL HOSPITAL

207 W. Legion Rd.
Brawley, CA 92227

RADIOLOGY Temp. apox 4 mos

RADIO THERAPY TECHNOLOGIST

LICENSE REQU'D. Days 9-5
Major voluntary teaching Hospital
soc. exp. Radio Therapy Technologist
to work in fast-paced Radiology Dept.
Challenge & good starting salary.
Call Stan Giovannini, 780-1862

LI College Hospital

354 Henry St., Brooklyn, NY 11201
An Equal Opportunity Employer M/F

Help Wanted

2600

REAL ESTATE

OFFICE MGR.
FOR PROMINENT FIRM

Process leases, handle collections at site office for new government aided hi-rise bldgs. Supervise small staff. Typing required.

CALL: 575-1053

REAL ESTATE F/Pd \$75-35K

CORPORATE REP

Our client, a Fortune 500 corporation, is seeking 2 management level individuals to administer a program of acquisitions, disposals and sales of industrial properties within their \$200MM+ portfolio. Corporate or institutional exp. must. To apply, call (212) 227-8000 or write LOGO Personnel, 170 Broadway, NYC 10036 (Agency).

RECEIVING CLERK

Elizabeth Arden has an opening in its shipping & receiving area. The responsibilities will include handling and lifting cartons of merchandise associated clerical duties. Experienced applicants preferred.

Please pick up application on the 2nd floor from 10AM to 12 Noon on Monday, November 13th.

ELIZABETH ARDEN

1345 Avenue of the Americas
New York, New York 10019
An Equal Opportunity Employer M/F

RECEPTIONIST

Front desk spot in rapidly growing E.Side corp. for dynamic indiv. Hrs 9-5 Some tyng. To \$175 F/PD
CALL ELSA ABBEY 679-6644

SNELLING & SNELLING

18 E. 41 St

RECEPTIONIST

(Agency)

SALES PERSONALITY

Sales and Marketing Firm Grand Central, New York City 10161. Hardworking people, telephone, type and learn our business. Advancement possibilities. \$140-160k per year. Call Miss Ralph 935-0749 Between 9-12 Betw Elec. 6pm-9pm

(Agency)

DONNELLY

Help Wanted

2600

RECEPTIONIST

\$190-215

Cosmopolitan

MEET TOP EXECUTIVES

Are you a bright, outgoing, well-qualified Indiv? If so, we have the opportunity available for you with one of the most prestigious companies in the publishing industry. This is a low-keyed, non-pressure position. You will be working with a professional staff, excel brnts program. Accurate typg 50 wpm.

Cosmopolitan

THE SOURCE FOR PERMANENT & TEMPORARY POSITIONS

505 5th Ave

15th Fl

4th Fl

996-0500

964-3434

544-5609

Street Level

Equal Opp/No/Fee Agency

RECEPTIONIST

F/PD TO \$175

FASHION

Discount on clothes, plush offices Exc. brnts. Must have own typg & wk bkgnd. Cd. exp. \$1000. Call Anne Avon for appt. 679-6644

ME SEDDITORIAL SECY

41E42St

Editorial Secy

F/PD

To

118-09 Queens Bl

Forest Hills

Street

Equal Opp/No/Fee Agency

RECEPT

F/Pd

\$170

PARK AVENUE

Type 40wpm Work in plush offic. brnts package. Call Seán Díon. 966-5805

41E42St

Editorial Secy

F/PD

To

118-09 Queens Bl

Forest Hills

Street

Equal Opp/No/Fee Agency

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41E42St

Editorial Secy

F/PD

Background: Job Ads in 1958 vs 1978

In 1958:

- ▶ Newspapers segregated pages of ads as "Help Wanted-Male" or "Help Wanted Female"
- ▶ Examples:
 - ▶ For a temporary position: "Are you ... a housewife whose children are in school"
 - ▶ Typist-Clek position: "Interesting positions for young women with 6 months to 1 year experience"

In 1978:

- ▶ Newspapers no longer label pages of ads according to gender.
- ▶ Many ads end with the phrase: "an equal opportunity employer M/F"
- ▶ Example:
 - ▶ Receptionist position: "Park Ave corp needs poised, charming indiv."

This Paper

Use digitized newspaper text from the *Boston Globe, New York Times, and Wall Street Journal* ads from 1940-2000.

What were the trajectories of explicit gender targeting pre and post-legislation?

Did employers substitute in their language after passage of the Civil Rights Act and the formation of the EEOC?

Did substitution towards implicit targeting impede convergence in labor market outcomes?

This Paper

Use digitized newspaper text from the *Boston Globe, New York Times, and Wall Street Journal* ads from 1940-2000.

What were the trajectories of explicit gender targeting pre and post-legislation?

- ▶ Common before mid-1960s, equally so for male and female applicants, concentrated in low-skill occupations
- ▶ Declines throughout the 60s, but still prevalent in the early 70s.

Did employers substitute in their language after passage of the Civil Rights Act and the formation of the EEOC?

- ▶ Occupations (or employers) who previously mentioned an explicit gender preference when it was legal use more "gendered" adjectives later on.
- ▶ These differences abate slowly.

Did substitution towards implicit targeting impede convergence in labor market outcomes?

Previous Literature

- ▶ Prevalence of explicit gender targeting / policies
 - ▶ Darity Jr. and Mason (1998): Comb through newspaper ads from 1960
 - ▶ Goldin (1990): Employer surveys asking about gender roles.
 - ▶ Kuhn and Shen (2013), Hellester, Kuhn, and Shen (2017, 2020): Online ads in Mexico and China
 - ▶ Targeting in low-skill jobs, equally likely to be male or female
 - ▶ Age twist (target young females, old males)
 - ▶ Effects on applications, callbacks
- ▶ Impacts of legislation on discrimination
 - ▶ Donohue III and Heckman (1991), Kurtulus (2012, 2016), Miller (2017), Bailey, Helgerman, Stuart (2023)
 - ▶ Unintended consequences: Chan and Eyster (2003), Autor and Scarborough (2008), Yagan (2016)

Outline

1. Data Sources
2. Explicit Gender Targeting
3. Substitution to Implicit Gender Targeting?
4. Wages and Occupational Segregation

Processing newspaper text files

ProQuest processes images of newspaper pages into text files (OCR)

- ▶ Job ads from *New York Times* (1940-2000), *Wall Street Journal* (1940-1998), and *Boston Globe* (1960-1983)

Steps to construct the data set (steps 1-3 are from earlier work:
Atalay, Phongthiengham, Sotelo, Tannenbaum, 2018; 2020)

1. Distinguish vacancy postings from other advertisements
2. Find the boundaries between vacancy postings
3. Identify the ad's job title ⇒ SOC code
4. Identify the party posting the ad; salary; personal adjectives; page on which ad appears
5. Explicit gender targeting:
 - ▶ Men: "young man," "young boy," "young men," (or old, mature, experienced), "guy friday," "male position,"...
 - ▶ Women: "young woman," "young girl," "young women," (or old, mature, experienced), "gal friday," "female position,"...

Example

From the February 20, 1966 New York Times

Classified Ad 1343 — No Title
New York Times (1923-Current file). Feb 20, 1966; ProQuest Historical Newspapers: The New York Times
pg. W11

Help Wanted—Female
Cont'd From Preceding Page

RECEPTIONIST TYPIST

Very active employment office requires gal with good telephone & clerical background. Must enjoy working with people.

Excellent Benefits
Five-day Week
Liberal Benefits

APPLY: STERN BROTHERS
6th Floor Personnel
West 45th Street
New York City

Receptionists \$70-95

Airline

NO EXPERIENCE CO TRAINS. NYC.
INTERESTING
DIAL Agency, 20 East 42 St
DIAL Agency, 135 Bway
(NEAR WALL STREET)

RECEPTIONIST-EXECS

Nice appearing, well spoken girls with a desire to work hard needed for this exec position. Co. offers a minimum of one year exp or some college recd.

\$90-100 WEEKLY FEE NEGOTIATE
FRONT DESK AGENCY
"PUBLIC CONTACT SPECIALISTS"
15 E 40th (off Mad Av) Rm 205

RECEPTIONIST/GAL FRIDAY
We offer an executive personnel agency. The position is for our staff. We require an alert, bright, able person with a good telephone voice. No skills —no exp. required. \$65-75 Start. Many benefits.

MR. BERNARD WILENS
ROBERT HALF PERSONNEL
295 Madison Avenue (Room 423)
MD 6-6700

receptionists
a new madison avenue
agency offers the
those interested in
extraordinary and
unique public con-
tact positions.

fee negotiable
Typing helpful
Training on App.
madison avenue agency
CORNER MAD. & 40TH (LOBBY)
RECEP. TYPIST: Interesting & diversi-
fied work in lush ofc.
Hrs PAYE FEES.....\$85

TAFT

OPEN WASHINGTON'S BIRTHDAY
150 BROADWAY agency D1 9-0330
ONE DAY AGENT MURKIN
OFFICE IN 40TH ST. SEE BRYAN SIGN

receptionist i typist very active . office requires cal with good and clerical back- , . must en) oy working with people . excellent benefits fiver week liberal benefits apply stern brothers 6th floor personnel 41 west 42 st . new York cit v i

receptionist airline no experience co trains NYC interesting dial agency , 20 east 42 st dial agency , 135 b way near wall street reception . iist execs nice appearing . well spoken girls with a flair for tact are needed for the e xx flog of this too cg . i a minimum of one year i e xv or some college freq . 90-100 fee negot front desk agency public contact specialists 15 e 40th (off mad av) rm 206

receptionist gal friday we operate an executive personnel . the position is for our staff . we require an alert . brie . reliable person with a rood phone voice . no skills -no exp . required . 365-75 start . many benefits . no fee , of course **[Robert Half Agency]**

receptionist a new Madison avenue agency designed for those interested in extra-ordinary and unique public con- tact positions . tee negotiable typing trainees or exp . Madison avenue agency

corner mad th lobby receipt typist 9 b divers i fiend work in plush aft . co pays fee 585 Taft open Washington s birthday 150 Broadway agency di 90330 one east 42 st mu p640 receipt no skills fee pd to theatrical Joyce 11 w 42 , 1 rm 700 () receipt ty pi ts **\$ 80-90** personnel trainees np exp , company trains gals with 40 wpm in the personnel department of a rep steel company . interesting-fee paid appeal agency , 20 e 42 st near wall street **[Appeal Agency]**

receptionist \$ 80 this plush cg seeks gal with typing and that clean scrubbed look to meet 8 greet clients . any exp ok benefits bonus co pays fee graham-white vj e also interview eve s . call for apple 1 dl ag d i 9-1280 reception desk to 90 fee paid large park ave coy teach and reservations ; type ; attar and poised **[Graham White Agency]**

record clerk r tv \$ 90-95 ad figure apt . 2-3 vars exp in banking r-insurance . hunt 8 peck , fee reimbursed emerita a en v 2 4 in for full time position in media- cal research of medical ' school) r or intensive care experience . call . fy 2-600d , ext 177

receptionist i typist [439022] very active . office requires cal with good and clerical back- . . must en) oy working with people . excellent benefits fiver week liberal benefits apply stern brothers 6th floor personnel 41 west 42 st . new York cit v i

receptionist [434171] airline no experience co trains NYC interesting dial agency , 20 east 42 st dial agency , 135 b way near wall street reception . iist execs nice appearing . well spoken girls with a flair for tact are needed for the e xx flog of this too cg . i a minimum of one year i e xv or some college freq . 90-100 fee negot front desk agency public contact specialists 15 e 40th (off mad av) rm 206

receptionist gal friday [434171] we operate an executive personnel . the position is for our staff . we require an alert . brie . reliable person with a rood phone voice . no skills -no exp . required . 365-75 start . many benefits . no fee , of course **[Robert Half Agency]**

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record clerk r [434071] tv **\$ 90-95** ad figure apt . 2-3 vars exp in banking r-insurance . hunt 8 peck , fee reimbursed emerita a en v 2 4 in for full time position in media- cal research of medical ' school) r or intensive care experience . call . fy 2-600d , ext 177

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Summary Statistics

	1940-63	1964-70	1971-2000	1940-2000
Explicit Male	0.036	0.013	0.002	0.017
Explicit Female	0.036	0.022	0.002	0.018
Male Page	0.292	0.206	0.006	0.150
Female Page	0.239	0.133	0.003	0.115
Ads (million)	3.3	1.8	3.9	9.1
with firm info	0.38	0.43	0.53	1.33
with salary info	0.11	0.09	0.20	0.39

Summary Statistics

	Explicit Targeting			Gendered Pages		
	Male	None	Female	Male	None	Female
Male Page	0.440	0.262	0.101	1	0	0
Non-gendered Page	0.459	0.542	0.454	0	1	0
Female Page	0.110	0.197	0.454	0	0	1
Prefer Male	1	0	0	0.046	0.025	0.011
No explicit preference	0	1	0	0.945	0.947	0.919
Prefer Female	0	0	1	0.010	0.027	0.069
Percent of Ads	2.6	94.4	3.0	24.6	56.7	18.6

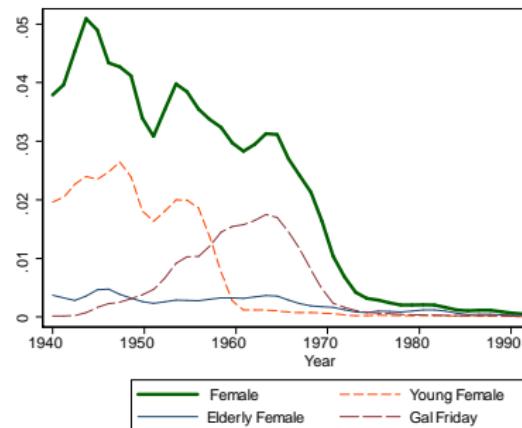
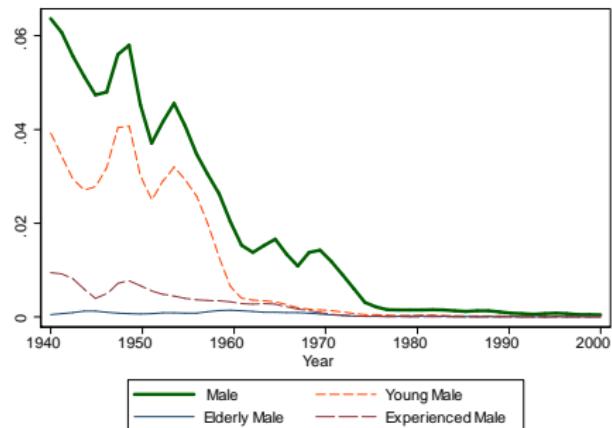
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Regular schedule	0.163	0.146	0.359	0.086	0.133	0.305
Irregular schedule	0.018	0.006	0.009	0.010	0.006	0.005
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Outline

1. Data Sources
2. **Explicit Gender Targeting**
3. Substitution to Implicit Gender Targeting?
4. Wages Gaps and Occupational Segregation

Trends in Explicit Gender Targeting

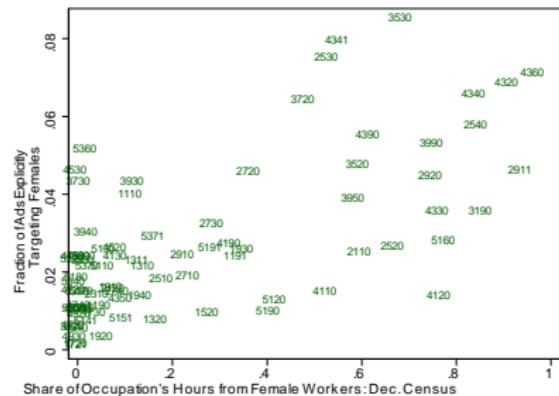
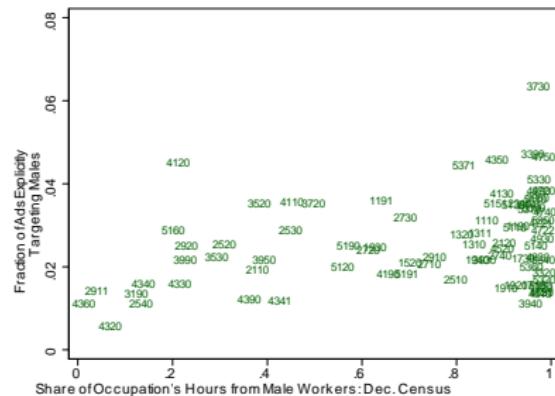


- ▶ 4.5 (1.4) percent of ads in the early 60s (70s) have an explicit mention of applicants for a gender.

Trends in Gender-Specific Pages of Ads



Overt Targeting by Occupation



Outline

1. Data Sources
2. Explicit Gender Targeting
3. **Substitution to Implicit Gender Targeting?**
4. Wages and Occupational Segregation

Gendered Adjectives

In the period in which targeting is legal (1946-63), regress targeting against a list of (500) personal adjectives $\in \{\text{abrupt, accessible, ... , worrying, youthful}\}$

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- ▶ Call w_a^{male} and w_a^{female} the number of mentions of the "male-predicting" or "female-predicting" personal adjectives in ad a

Regression Specification

In the pre-period, compute

- ▶ the frequency of explicit targeting $\Rightarrow \bar{d}_o^{\text{female}}$ or \bar{d}_o^{male} .
- ▶ the average of "male" or "female" gendered adjectives $\Rightarrow \bar{w}_o^{\text{female}}, \bar{w}_o^{\text{male}}$
- ▶ o indexes either occupations (4-digit) or firm \times occupation (2-digit) cells

Regression Specification

In the pre-period, compute $\bar{d}_o^{\text{female}}$, \bar{d}_o^{male} , $\bar{w}_o^{\text{female}}$, \bar{w}_o^{male}

After gendered targeting is prohibited, compute w_{ot}^{female} and w_{ot}^{male} by $o \times t$ pair

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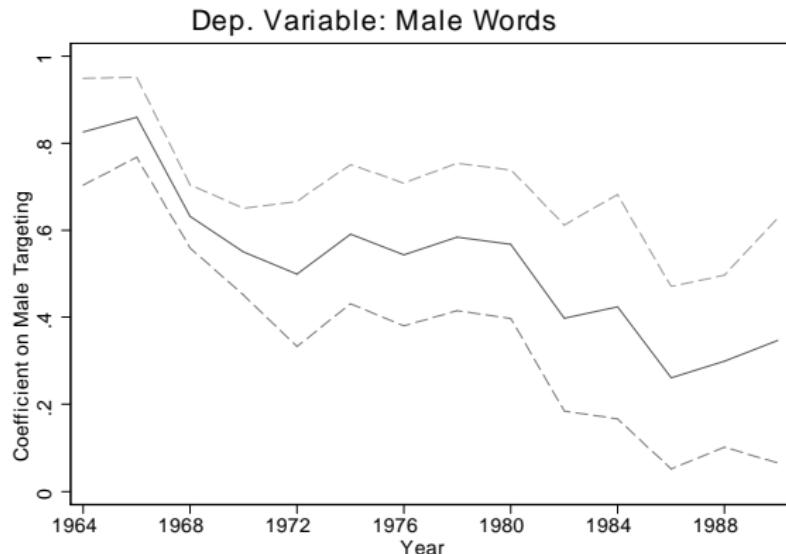
Regression:

$$\begin{aligned} w_{ot}^{\text{male}} = & \beta_t + \mu_t \cdot \bar{d}_o^{\text{male}} + \nu_t \cdot \bar{w}_o^{\text{male}} \\ & + \phi_t \cdot \bar{d}_o^{\text{female}} + \gamma_t \cdot \bar{w}_o^{\text{female}} + \epsilon_{ot} \end{aligned}$$

(with a corresponding regression with w_{ot}^{female} as dependant variable)

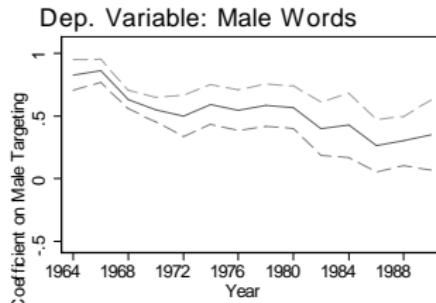
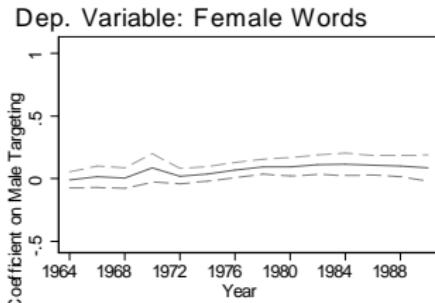
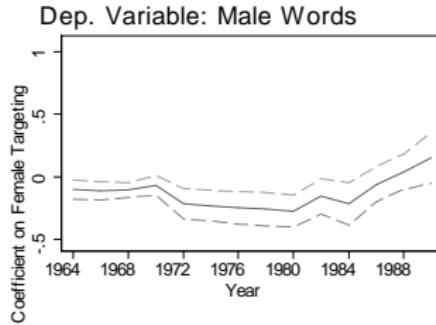
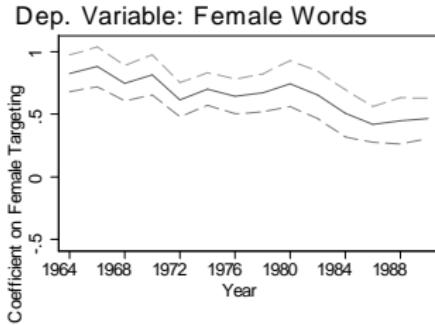
- ▶ Coefficients of interest: μ_t and ϕ_t : relationship between past explicit targeting and current use of gendered adjectives.

Results: SOC



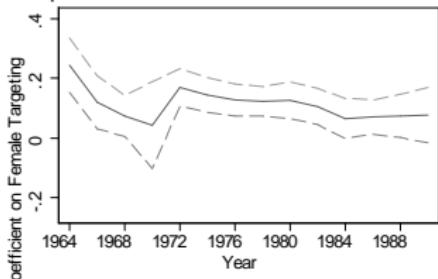
- ▶ Occupations with 1 extra mention of explicit targeting for males had 0.5 more mentions of male-specific gendered adjectives in the 1970s

Results: SOC Occupation

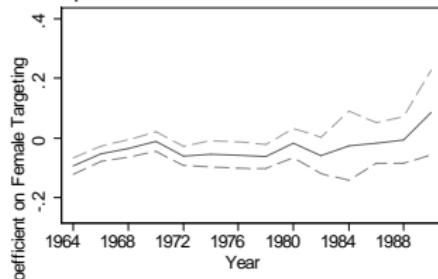


Results: Firm-by-SOC

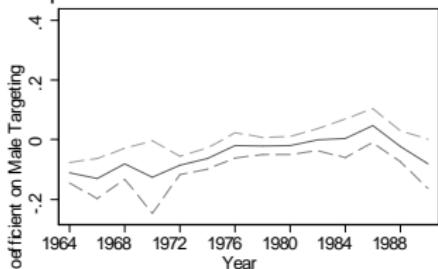
Dep. Variable: Female Words



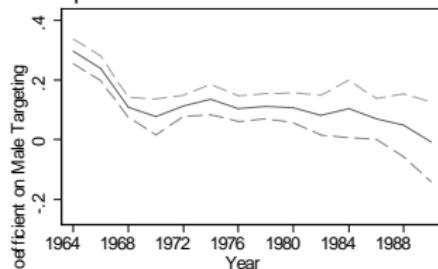
Dep. Variable: Male Words



Dep. Variable: Female Words



Dep. Variable: Male Words



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Correlation between gendered language and labor market outcomes

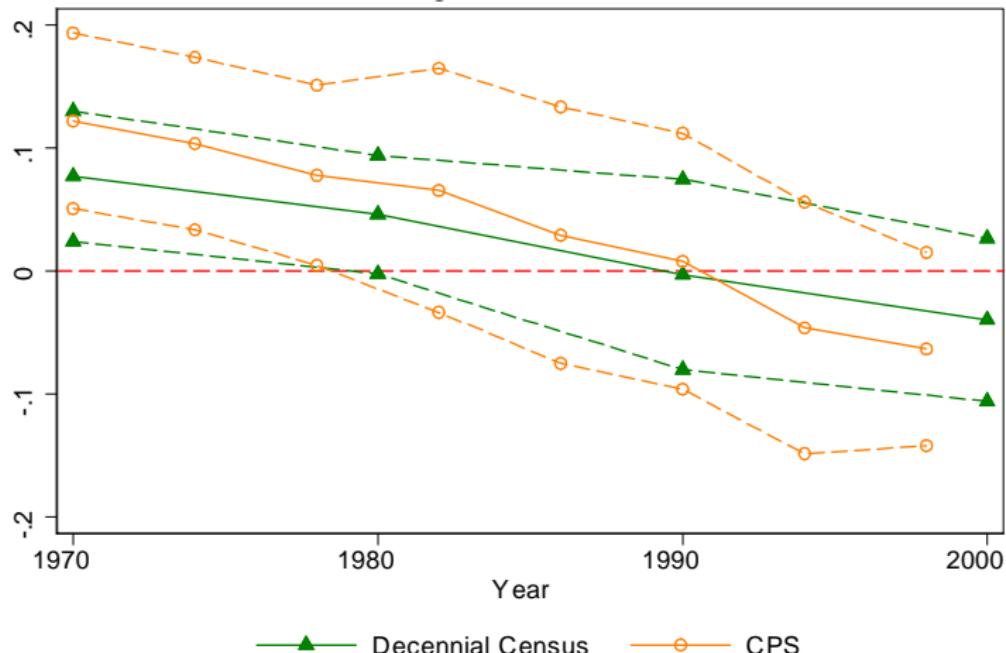
After gendered targeting is prohibited, compute w_{ot}^{female} and w_{ot}^{male} by $o \times t$ pair: female (e.g., poised) and male (e.g., aggressive) adjectives in occupation o and year t .

Regression:

$$y_{ot} = \beta_t + \delta_t \cdot (w_{ot}^{\text{female}} - w_{ot}^{\text{male}}) + \theta_t \cdot \bar{y}_o + \epsilon_{ot}$$

- ▶ y_{ot} : labor market variable:
{share of female workers, log average wage} from CPS ASEC or Decennial Census

Substitution to Female Words, Away from Male Words Correlated with Higher Female Labor Share



A 1 standard deviation increase in male words / decrease in female words \Leftrightarrow 12 percent higher female share in 1970.

Recap

- ▶ Study firm gender targeting between 1940s to 90s (primarily 50s to 70s)
- ▶ Explicit gender targeting was common up to early 1970s
- ▶ Occupations (firms) with more explicit gender targeting before mid 1960s use more gendered adjectives after
- ▶ Gendered adjectives post 1970 correlate with labor outcomes: female share of workers, average wages, female-male wage gap.