

## Persistence racial difference in socioeconomic outcomes

- Large difference in outcomes between similarly defined blacks and whites
- Blacks on average have lower
- Wages
- Earnings
- Employment rates
- Wealth
- Education, etc.

Median Annual Earnings, 2013
Full time/full year workers

|  | Males | Females |
| :--- | :---: | :---: |
| Whites | $\$ 51,296$ | $\$ 39,051$ |
| Blacks | $\$ 40,000$ | $\$ 33,000$ |
| Ratio: 0.780 0.845 <br> Black/white   |  |  |

Median Hourly Wage, 2013
Full time/full year workers

|  | Males | Females |
| :--- | :---: | :---: |
| Whites | $\$ 23.08$ | $\$ 18.26$ |
| Blacks | $\$ 17.31$ | $\$ 15.65$ |
| Ratio: <br> Black/white | 0.750 | 0.857 |

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## Why the difference?

- Differences in skill level. Whites on average tend to have
- More education
- Higher job tenure
- Differences in types of jobs. Whites and blacks may be segregated in jobs that differ by
- Occupation
- Industry
- Low vs. high wage sector
- Low vs. high wage areas
- Union status
- Pre-market conditions. Blacks on average
- Attend poorer quality schools
- Have parents with fewer years of education
- Have home lives (e.g., live with single mother, etc) that predict lower educational outcomes and lower human capital accumulation
- Discrmination

How much of the gap is explained by observed characteristics?

- Construct sample of workers aged 18-64
- March Current Population Survey
- Asks for data on earnings in previous year
- Use years 2006-2009
- Keep people w/ 40+ weeks of work, 30+ hours/week
- Dependent variable ln(hourly wage)
- 4 race groups
- White non-Hispanic
- Black non-Hispanic
- Other race, non-Hispanic
- Hispanic
- Use whites as reference group
- Add more variables and see what happens to coefficients on race dummy variables


| Coefficient on race variables Females, 2006-2009 |  |  |  |
| :---: | :---: | :---: | :---: |
|  | $\substack{\text { Black, } \\ \text { Hisp }}$ | $\underbrace{\text { a }}_{\substack{\text { Otuer } \\ \text { nomitip. }}}$ |  |
| No conrols | 0.110 | -0.002 | -0.255 |
| Add age eldac. | -0.041 | -0.015 | -0.067 |
| Add mion | -0.041 | -0.014 | -0.067 |
| Add idustry | -0.043 | -0.023 | -0.054 |
| Addo octupation | -0.03 |  | -0.019 |

## Is the residual difference discrimination?

- Many interpret this way
- Economists are uneasy - why might this be an omitted variables bias?
- Has lead to some experimental ways to test for discrimination


## Audit Studies

- Place comparable minority and white subjects in actual settings and observe outcome
- Example: bank lending
- Has benefits and shortcomings


## A real world experiment: orchestras

- Auditions are use to assign seats
- Used to be that judges knew identify of musicians
- Now - auditions are blind - performed behind a a screen
- Women and Asians had a higher success rate after movement to blind auditions - indicating these groups were discriminated against


## This study

- Respond to help-wanted adds in Boston and Chicago papers with fictitious resumes
- Measure the number of callbacks each resume received
- Resumes are similar except names are randomly assigned
- Authors exploit the fact that some names are exclusively used by African Americans
- The name is a signal of race


## Girl names

- "Whitest"
- "Blackest"
- 1. Molly
- 1. Imani
- 2. Amy
- 2. Ebony
- 3. Claire
- 3. Shanice
- 4. Emily
- 4. Ailiya
- 5. Katie
- 5. Precious
- 6. Madeline
- 6. Nia
- 7. Katelyn
- 7. Deja


## Boy names

- "Whitest"
- "Blackest"
- 1. Jake
- 1. DeShawn
- 2. Connor
- 2. DeAndre
- 3. Tanner
- 3. Marquis
- 4. Wyatt
- 4. Darnell
- 5. Cody
- 5. Terrell
- 6. Dustin
- 6. Malik
- 7. Luke
- 7. Trevon


## Constructing a bank of resumes

- Pulled samples from web pages
- Restricted to
- people from Boston or Chicago
- People applying for 4 positions
- Sales
- Administration support
- Clerical services
- Customer service
- Change the name and contact information on the resume
- Pick distinctly AA names using Massachusetts birth records.
- Assign resumes to race/sex/city/resume quality cell (16 cells)
- Set up generic vmail and email accounts for each 'cell'


## Responding to adds

- Responded to adds placed 7/1/2001 to 1/31/2002
- 4 resumes were sent
- One high and low quality for each AA and white name
- Measure email and vmail contacts for interviews







