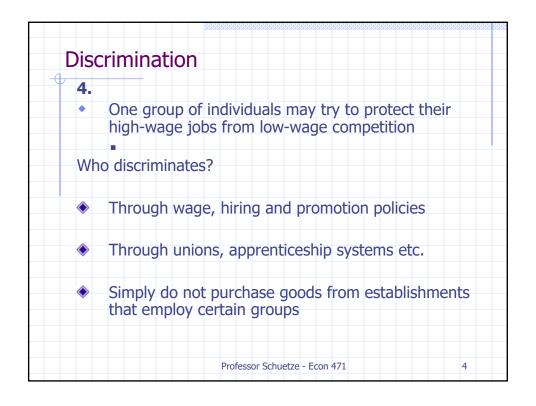


Discrimination What is labour market discrimination? ◆Occurs when participants in the marketplace take into account such factors as race and sex when making economic exchanges ◆Even after accounting for the skills of workers and job characteristics race or sex influences decisions ◆When thinking about wages could be discrimination in setting wages or in providing access to human capital or labour markets What leads to discrimination in the labour market? 1. ◆ Professor Schuetze - Econ 471 2

2.	
•	Could come from employee who underestimates his/her labour market capacity
\limits	Could come from employer who consistently underestimates value of group of workers
3.	
>	
•	More likely to occur when information on individua workers is costly
	e.g. employers judge pay decisions of a woman based on the turnover rate of all women
	■ Difficult to signal your true "type"



Labour Market Discrimination Theories

•We can classify theories of discrimination based upon whether the focus is on demand, supply or noncompetitive aspects of the labour market

Demand Theories:

The demand for labour of a group being discriminated against is reduced relative to other workers

Outcome Without Discrimination:

- Workers with different racial background or gender and similar skills are perfect substitutes
- $\bullet q = f(N_A, N_B)$

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Demand Theories of Discrimination

- Thus, the marginal product of workers is the same as well
- The firm's hiring decision is simple:
- Hire workers up to the point where MRP_N equals the wage
- If the wages of group A are less than group B hire only worker from group A

With Discrimination (against group A):

The employer acts as if group A's wage is not W_A but W_A(1+d_A); d_A is the "discrimination coefficient"

Employee discrimination:

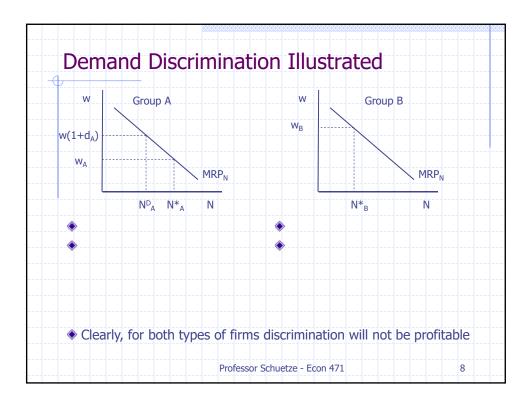
Consumer discrimination:

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Demand Theories of Discrimination

- The employer's hiring decision is not based on a comparison of wages W_A to W_B
- Instead, the employer compares the utility adjusted price
- The decision rule is:
- Hire only group A workers if
- Hire only group B workers if
- Clearly, this will lower demand for those workers who are discriminated against and lead to segregation in the labour market

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Supply Theories of Discrimination 1. Crowding Hypothesis e.g. women into "pink-collar" jobs The relatively high supply in these sectors leads to low wages even though workers are paid their marginal product 2. Dual Labour Market Suggests there are two distinct labour markets Core labour market: Secondary market: Discrimination forces workers into the secondary market through the use of unions, barriers to education and training etc.

	The predictions of the perfectly competitive model
	we reviewed lead to segregation not wage differentials
•	Competitive forces should lead to an equalization o wages yet we don't observe this for some groups
1.	Arrow (1973) suggests equalization might occur in the long-run but the long-run is a very long time
•	
2.	Queuing of workers, such as that caused by
	efficiency wages may allow firms to ration jobs on the basis of discrimination

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Noncompetitive Theories of Discrimination 3. Discrimination may occur in noncompetitive sectors 4. Historically determined practices Professor Schuetze - Econ 471 11

Measuring Discrimination

- In measuring discrimination you want to record evidence of unequal pay or promotion that is net of productivity differences
- However, productivity is difficult to measure
- It is easy to identify discrimination in cases where two individuals are doing the same job but are paid differently
- There are likely relatively few cases like this and we rarely get this kind of data
- Thus, most studies look at differences among groups and try to control for productivity
- Any difference that can't be accounted for by productivity is attributed to discrimination

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- ◆ This procedure decomposes the overall difference in earnings between two groups into two parts
- 1.
- 2.
- ◆ For example, suppose we wish to explain the earnings gap between men (M) and women (F) Earnings gap = Y^M/Y^F or Y^F/Y^M
- Using human capital models of earnings:

 X_F and X_M are productivity characteristics β_F and β_M are the rates of return to these characteristics

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Oaxaca Decomposition

◆ Taking logs we can rewrite the male-female wage ratio as:

 $In(Y^M/Y^F) = InY^M - InY^F = \beta_M \bullet X_M - \beta_F \bullet X_F$

Adding and subtracting $\beta_M \bullet X_F$ we get:

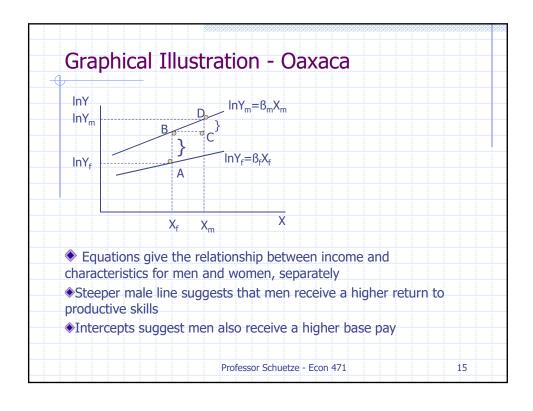
 $InY^{M}-InY^{F}=\beta_{M}\bullet X_{M}-\beta_{M}\bullet X_{F}-\beta_{F}\bullet X_{F}+\beta_{M}\bullet X_{F}$

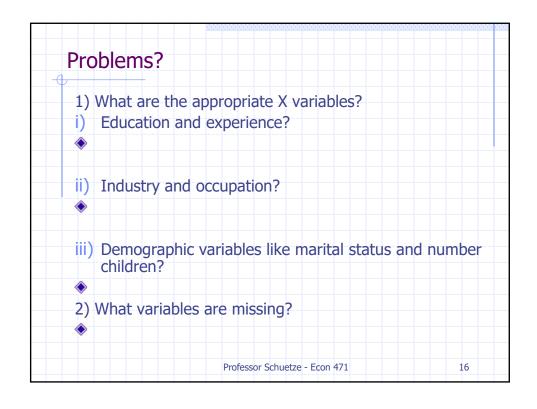
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(Both men and women are paid at the men's rate β_M)

- This is usually labelled discrimination

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Empirical Results

 Despite some of its problems the Oaxaca decomposition has been used to examine a number of earnings differentials

Male/Female Differentials:

 Lots of variation in the results; depending on approach and x-variables included

Generally find:

- Pure wage gap remains even after controlling for a number of wage-determining characteristics Baker et al.
 - .
 - Kidd and Shannon
 - .

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Empirical Results

- 2. Potential discrimination outside the labour market is important
 - e.g. unequal division of labour with respect to childraising; affects hours worked, absenteeism, mobility, training, career interruption

Kidd and Shannon (1997)

- Hersch and Stratton (1997)

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- 3. The occupational segregation of women into lower paying jobs does not explain much of the earnings differential
- Perhaps too coarse to measure segregation into lowwage firms and industries

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Empirical Results

- 4. The unexplained portion tends to be smaller in the union sector and in the public sector Ethnic/White Differentials:
- Confounded by the fact that many nonwhites in Canada are also immigrants
- Some compare earnings of whites in Canada to various ethnic groups born in Canada
- The unexplained gap tends to vary by ethnic group
- Unexplained gap is smaller in the US
- Rankings are also different

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Policies to Combat Discrimination

- 1. Conventional Equal Pay Legislation
- Deals with wage discrimination within the same job in the same establishment
- **(**
- Only minor differences are allowed especially when offset by other tasks

Example: equal work even if males must do heavy lifting especially when women do other tasks

All Provinces and Territories in Canada are covered

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Policies to Combat Discrimination 2. Pay Equity (Comparable Worth) Legislation: Recognizes that Conventional Equal Pay Legislation is limited in scope Compare jobs that are predominantly male to those that are predominantly female (say 70% or more) Points are allocated to job attributes such as skill required, effort, responsibility and work conditions

Pay Equity The points are summed for each job and "female" jobs are compared to "male" jobs Wages are then adjusted to reflect the "value" of the job done It is felt that market forces reflect discrimination The equal value concept is determined by the notion of value-in-use Rationalized on grounds of being able to deal with both wage discrimination and Occ. segregation

	Who is covered by Pay Equity?
•	In Canada, all jurisdictions except Alberta and Saskatchewan
\Pi	In most jurisdictions coverage is restricted to the public sector
•	Quebec and Ontario are the only two that require to be applied to the private sector as well

Policies to Combat Discrimination 3. Equal Opportunity Legislation: Designed to prevent discrimination in recruiting, hiring, promotion and dismissal Hoped that this will increase demand for female employees and, in turn, increase wages Likely to benefit new recruits and those changing jobs more than incumbent females

Policies to Combat Discrimination 4. Employment Equity (Affirmative Action) Focuses not on providing equal opportunities for work but on results or quotas Employment equity applies to four designated groups: Essentially, goals are set so that the internal representation of workers match their representation in the relevant external market Employment equity covers only federal workers in Canada Professor Schuetze - Econ 471 25

	Most studies find equal pay for equal work policies have very little effect on wages
	have very little effect on wages
Pā	y Equity (Comparable Worth)
	A number of studies have examined the impact of comparable worth
•	Typically examine its application in the public sector in Canada and the US
e.	g. Public Service Alliance of Canada PSAC alleged tha female clerical workers were paid lower wages than the male dominated Program Admin. Group
	Ended in a 3.6 billion dollar settlement

Estimated Impacts of Pay Equity

- The female/male earnings ratio in the overall public sector before comparable worth adjustments was around 0.78
- Note that these studies don't likely give a good indication of their likely impacts on the broader economy
 - Gap in public sector is just over half of that in the economy as a whole
- Impact is likely to be smaller because the gap reflects the segregation of women into low-wage firms and industries
 - Comparable worth doesn't compare across firms and industries

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Estimated Impacts of Policies

- Evidence of the impact of comparable worth in the wider labour market confirms this
- e.g. Baker and Fortin (2000) examine the impact of Pay Equity in Ontario
- **(**

Affirmative Action:

- Studied in the US by examining the impact of the US federal contract compliance of Executive Order 11246
- Minority groups targeted did benefit to a certain extent
- The effects were stronger during economic expansion than contraction in the overall economy

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