Changes in Japan's Labor Market Flows due the Lost Decade

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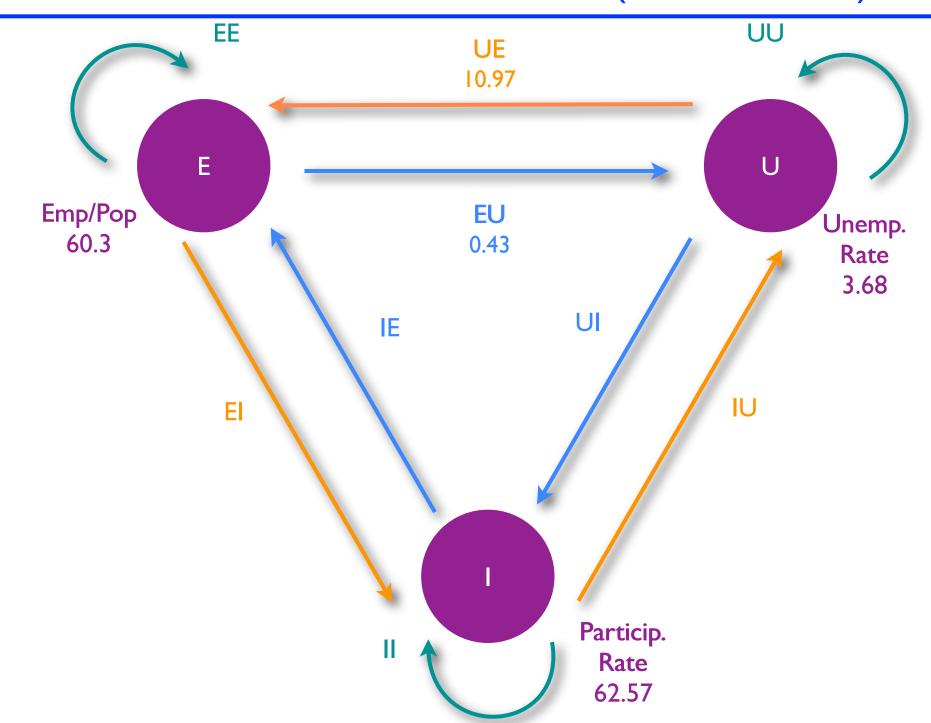
Japanese Economy Facts

- We all know general facts about Japan's output
 - It is one of the richest countries in the world
 - It had high output growth up to the 1990s
 - It suffered a deep and prolong recession in the 1990s Lost Decade
- Labor market facts are less well known
 - Low unemployment rate
 - Very stable employment relationships
- Very little is known about worker flows
 - Low separation rates
- Especially how they changed due to the Lost Decade

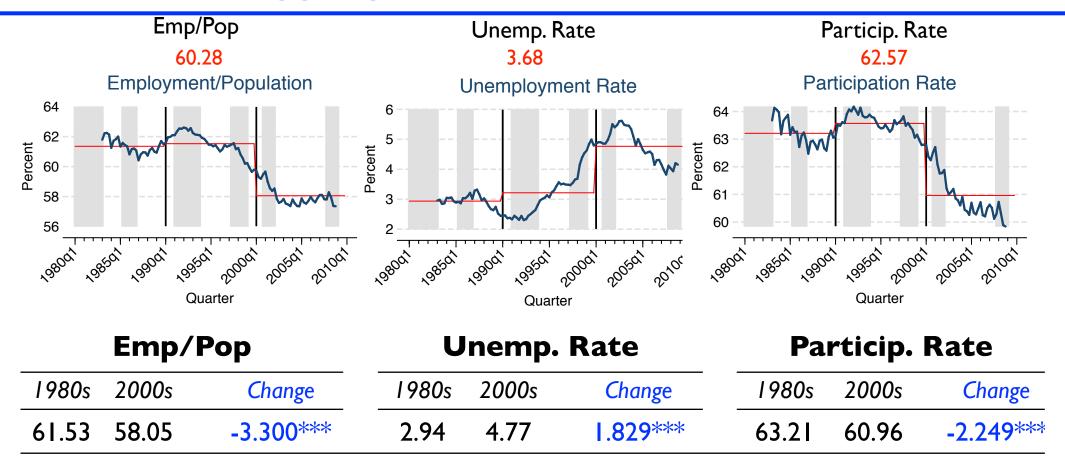
Question of the Paper

- I. Did the Lost Decade change the labor market dynamics significantly?
 - Yes
- 2. What types of workers where the most affected by the changes?
 - Young and old
 - Women
 - Contingent workers

Stocks and Flows from LFS (1983-2008)

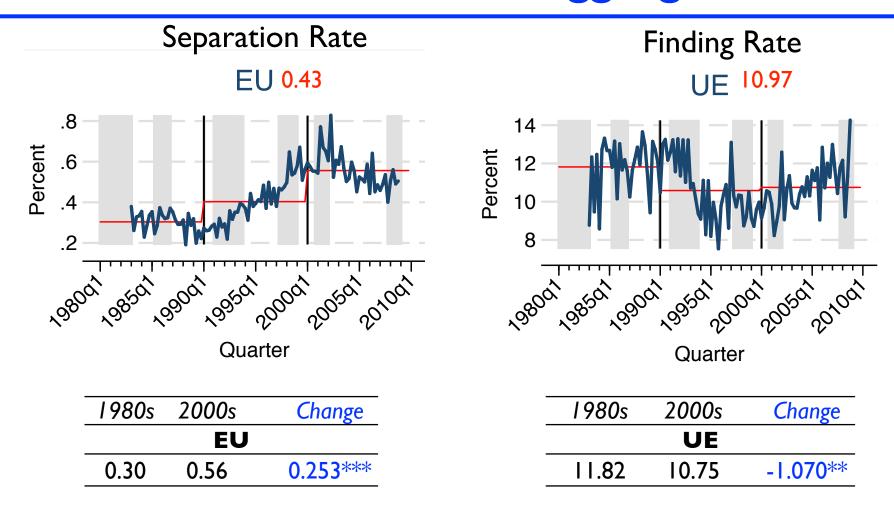


Stocks - Aggregate



- Significant change in the stocks
 - Decline in employment
 - Increase in the unemployment rate
 - Decrease in the participation rate

Flow Rates - UE and EU - Aggregate



- Significant change in almost all the rates
 - Almost double separation rate (EU)
 - Decline in the finding rate (UE)

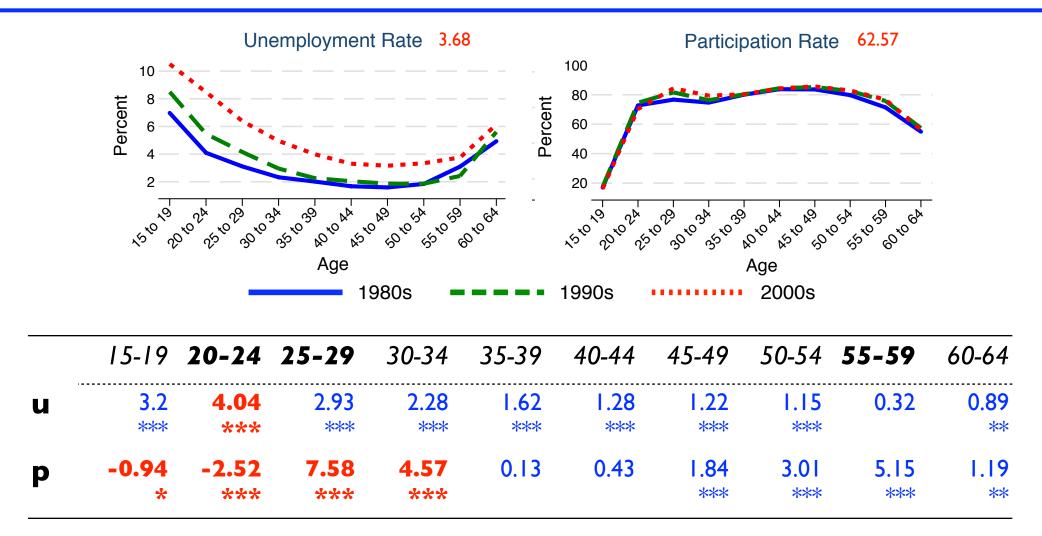
Aggregate - Summary

- Significant changes due to the Lost Decade:
 - Increase in the unemployment rate
 - Decrease in the participation rate
 - Increase in the separation rate
 - Decline in the finding rate

Disaggregation

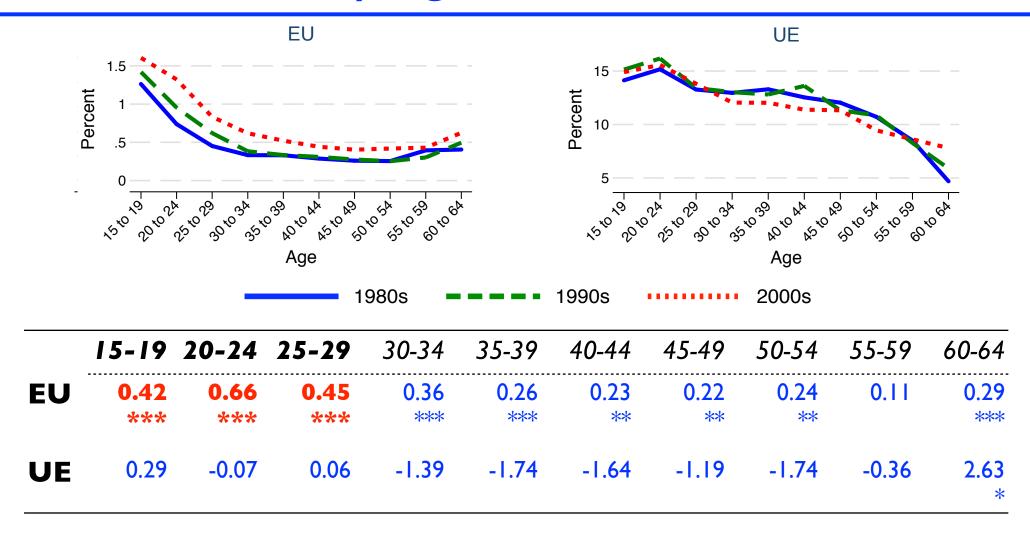
- We now study if the previous facts hold for all types of workers, or only for the average.
- What types of workers were most affected the changes?
- Dissagregation by:
 - Worker characteristics
 - Age
 - Gender
 - Region
 - Firm/Job characteristics
 - Sector
 - Firm size
 - Job type

Stocks - by Age



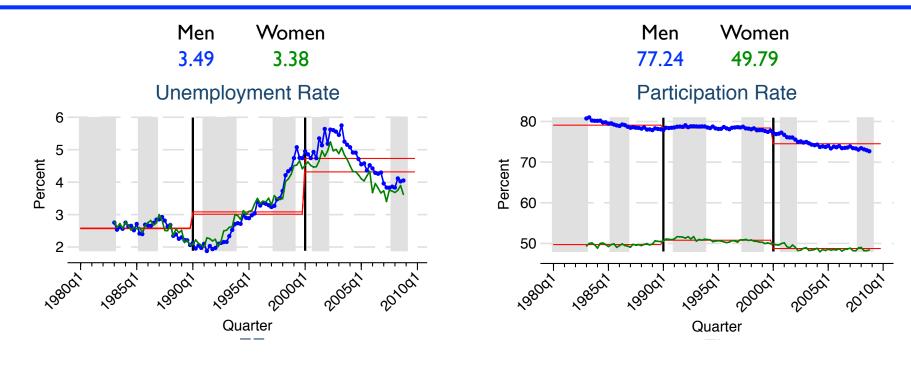
- Unemp. rate is U-shaped and part. rate is Inverted U (M)-shaped.
- Unemp. rate increased for all, but more for young.
- Participation rate decreased for youngest, but increased for other.

Flow Rates - by Age



- Sep. rate is U-Shaped and finding rate is declining in age.
- The separation rate increased for almost all age groups
- The finding rate decreased, but not significantly.

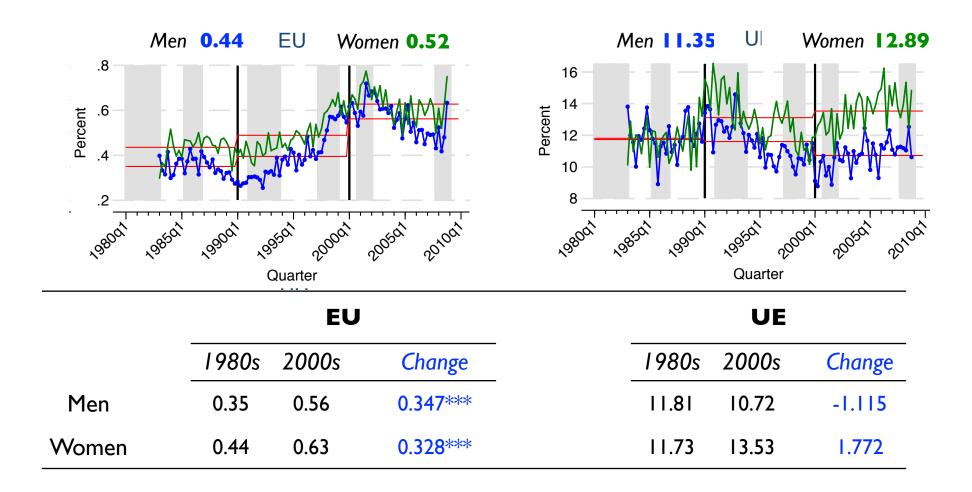
Stocks - by Gender



	Unemp. Rate				Particip. Rate		
	1980s	2000s	Change	_	1980s	2000s	Change
Men	2.57	4.73	1.988***		79.10	74.52	-5.537***
Women	2.59	4.32	1.555***		49.72	48.75	-1.939**

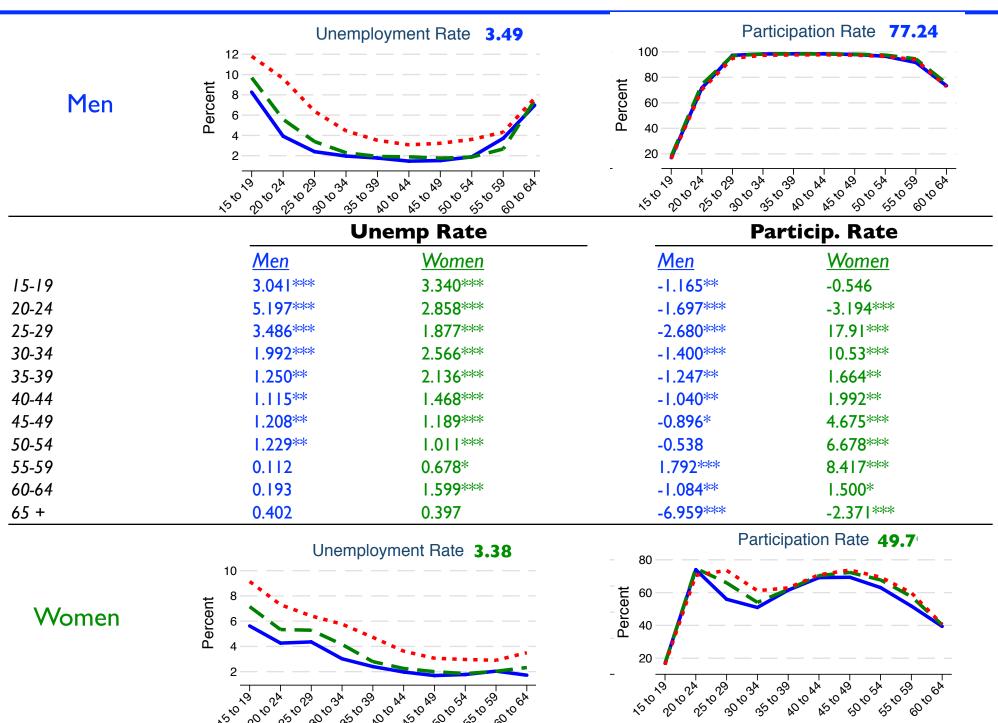
- Women have lower participation rate, but similar unemp. rate
- Unemp. and part. rate changed for both gender, but more for men

Flow Rates - by Gender



- The separation rate increased for men and women
- The finding rate change is not significant

Changes in Stocks - by Gender and Age



Age and Gender Disaggregation - Summary

- Young and older workers have it tougher
 - Higher unemployment and separation rates (U-shaped)
 - Higher finding rate for young workers and low for older workers
- Unemployment and separation increased for all age groups
 - More noticeably for younger workers
- Women have lower participation rate, but similar unemp. rate
 - Unemp. and part. rate changed for both gender, but more for men
- Participation is M shaped for women
 - Participation rate increased for women at childbearing age from 1980s to 2000s

Dissagregation by Firm/Job Type

- Switch the analysis from charac. of the worker to charac. of the firm
- Flows out of different types of jobs (EE, EU, EI)
 - What type of firm/job employees are less at risk?
- Flows out of different types of jobs (UE, IE)
 - What type of firm/job absorbs more unemployed and inactive workers?

Disagg. by Sector, Firm Size and Job Type

By Sector

- Public Sector jobs are the most stable
- Tertiary sector has highest separation and hiring rates
- From 1980s to 2000s
 - Separation rate increased for all sectors
 - Prob. of finding a tertiary sector job increased

By Firm Size

- The larger the firm, the more stable the job
- U and I workers move mostly into small and medium-sized firms
- Separation increased for all firm sizes from 1980s to 2000s

By Job Type

- Contingent employment is the least stable
- Flows from U and I into contingent employment have increased

Conclusions

- The Lost Decade changed the Japanese labor market.
 - Increase in unemployment and drop of participation
 - Increase in separation rate and decrease in finding rate

- The most affected workers by the Lost Decade were:
 - Young: Increase in unemployment and separation rates
 - Women: Participation behavior.
 - Changes are heterogenous across job types too.