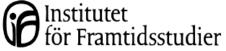
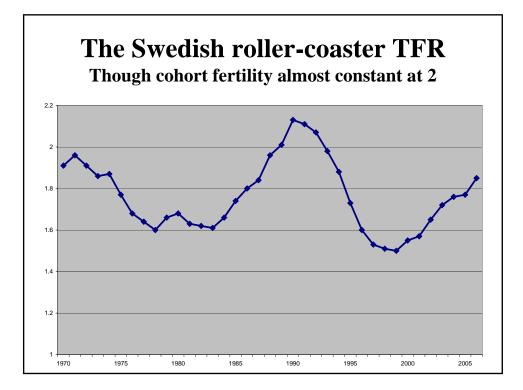
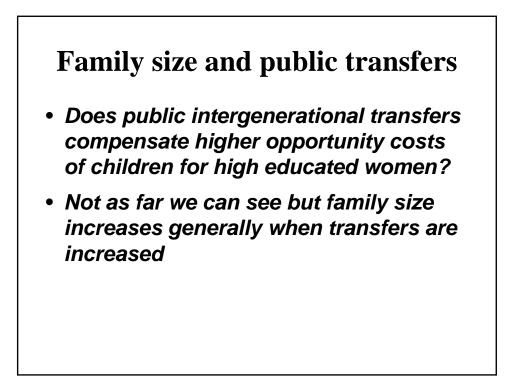
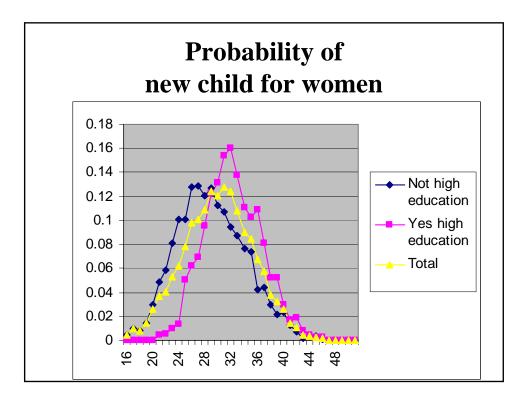


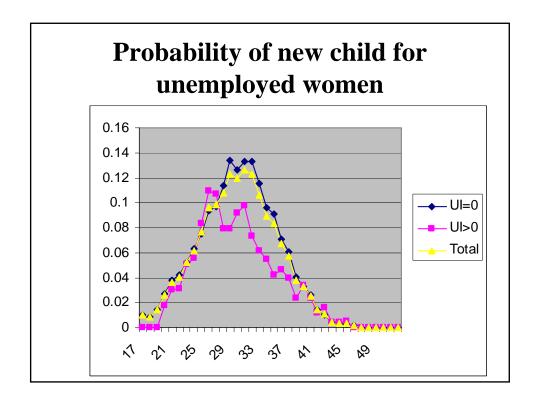
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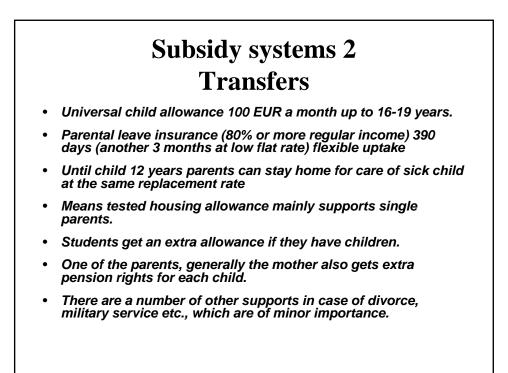


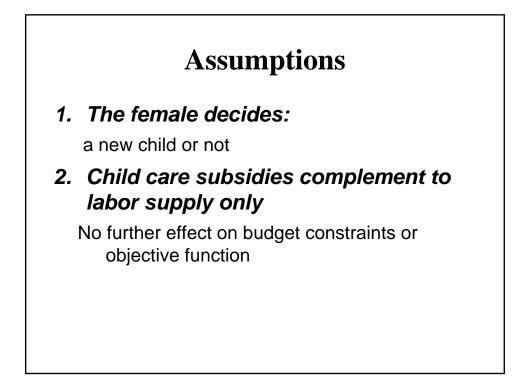




## Subsidy systems 1 Education

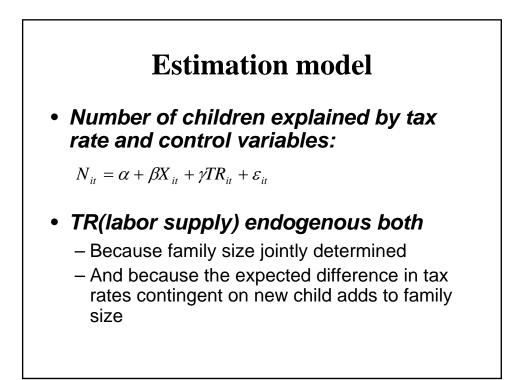
- Entitlement daycare/pre-school (1-12) low fee high subsidies, 80% of pre-school children,
- Compulsory school (7-16) Pre-school 6 years added. Public financing (even if private operation)
- Upper secondary school (3-4 years) >90% enrolment.
- Tertiary education free (but rationed) 50% enrollment (also vocational education)

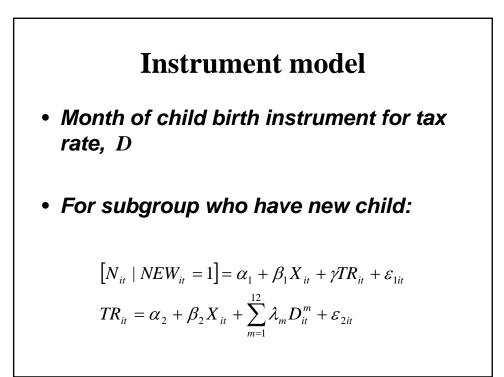




## Hypotheses

- 1. Difference in tax rates (TR) with (c) and without (nc) a new child will be decisive
- 2. If children in childcare the mother already has higher tax rates ceteris paribus
- 3. Females having a new child will have higher future tax rates ceteris paribus.
- 4. Females paying state tax will ceteris paribus be less likely to have a child

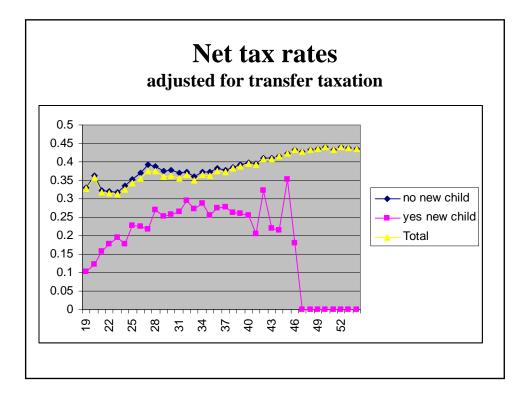


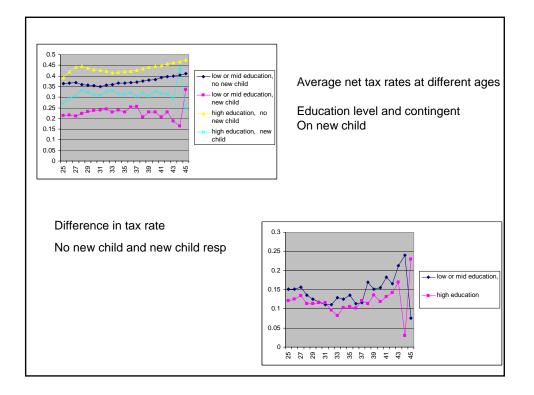


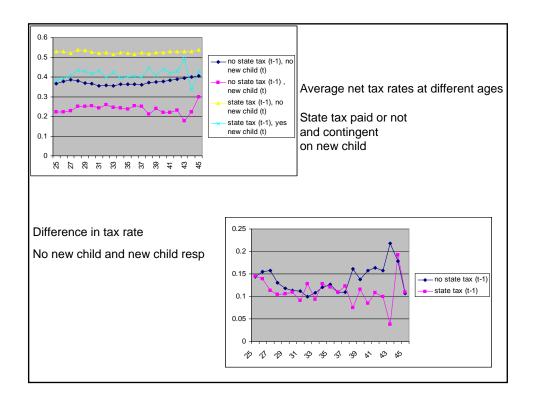
## Data

- LINDA, 3% sample of Swedish population register data, 2000-2003
- Only employed females 25-45, final sample 107 679 observations

Som	ne descrip	tive st	ats	
Variable	Mean	Std. Dev.	Min	Мах
Tax_rate	0.421888	0.145929	0	0.995339
Number of children	1.233347	1.101337	0	9
newchild	0.062439	0.2419523	0	1
private	0.503340	0.4999912	0	1
State	0.051689	0.221399	0	1
Local_gov	0.404804	0.490856	0	1
self_empl	0.009598	0.097499	0	1
non_profit_org	0.030569	0.172148	0	1
low_educ	0.081738	0.273966	0	1
mid_educ	0.569970	0.4950823	0	1
High_educ	0.348293	0.476432	0	1
Income (t-1)	209 811.8	154 606.6	0	3.02E+07
if previous child	0.437677	0.496103	0	1



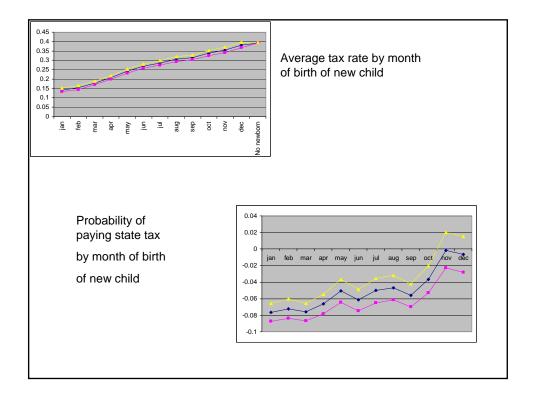




	al ave				ren o		<i>,</i>
Age				5	4	5	0
SEK	1 618	38 161	72 878	76 310	80 319	80 919	23 549
Age	7	8	9	10	11	12	
SEK	21 900	20 423	16 623	5 893	2 493	1 326	
childrer	EK is appl the subsi re siblings.	dy amount			•		e if
	ral pre-sch						

ŀ	<u>Samily siz</u>	e
Variable	OLS	Fixed effects
pays state tax	-0.261***	-0.120***
low_educ	0.053***	0.056*
high_educ	-0.174***	-0.083***
state	-0.062***	-0.028*
local_gov	0.156***	-0.016*
self_empl	0.006	0.018
Income (t-1)*10-6	0.134*	-0.055***
student	-0.051***	0.002
General_educ	-0.047	0.013
Pedagogics~c	0.072*	-0.014
Arts_subje~c	-0.309***	-0.010
Social_sci~c	-0.087**	-0.003
Natural_sc~c	-0.130***	-0.010
Engineerin~c	-0.064*	0.027
Agricultur~c	ref	ref
Health_educ	0.059*	0.001

(iı	nversel	y relate	d to lab	or supp	oly)			
	OLS	OLS	OLS	Fixed eff	Fixed eff	Fixed eff		
Variable								
CC*10-6	-0.491***	-0.492***	-0.491***	0.020	0.020	0.017		
Pays state tax*new child		0.054***	0.046***		0.036***	0.031***		
Low educ *new child			-0.013			-0.019*		
high educ *new child			0.027***			0.017***		
Pays state tax	0.074***	0.072***	0.073***	0.064***	0.062***	0.063***		
Newchild	-0.120***	-0.126***	-0.135***	-0.057***	-0.060***	-0.066***		
low educ	-0.029***	-0.030***	-0.029***	-0.051***	-0.051***	-0.051***		
mid educ (ref)								
high educ	0.023***	0.023***	0.021***	0.009*	0.009*	0.008*		
income(t-1) *10-6	0.109*	0.109*	0.109*	0.006	0.005	0.005		
two children or more	-0.026***	-0.026***	-0.026***	-0.046***	-0.046***	-0.046***		



Family size							
Variable	IV1	OLS1	IV2	OLS2	IV3	OLS3	
Tax rate	-1.853***	-1.443***	-1.613***	-1.408***	-1.600***	-1.399***	
	-21.34	-22.69	-15.82	-21.04	-15.33	-20.79	
If paying state tax			-0.377***	-0.070			
			-4.53	-1.72			
tax rate * If paying state tax					-0.752***	-0.164*	
					-4.39	-2.00	
high_educ	-0.105***	-0.129***	-0.096***	-0.127***	-0.096***	-0.126***	
	-5.07	-6.35	-4.63	-6.24	-4.63	-6.22	
low_educ	0.264***	0.283***	0.268***	0.283***	0.269***	0.284***	
	5.95	6.41	6.02	6.42	6.03	6.42	
N	6706	6706	6706	6706	6706	6706	

