Summary of GMM Estimates

your old pal Jo
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Joint GMM Estimation of Production and Demand - Preferred Specification

	ϵ	τ, g	ϵ_x	,H	δ	1	δ	2
	$(\kappa = 0)$	$\kappa = 1$	$(\kappa = 0)$	$(\kappa = 1)$	$(\kappa = 0)$	$(\kappa = 1)$	$(\kappa = 0)$	$(\kappa = 1)$
	0.20	0.20	0.49	0.49	0.07	0.12	0.93	0.93
	(0.05)	(0.05)	(0.08)	(0.08)	(0.04)	(0.04)	(0.01)	(0.01)
	$\tilde{\phi}_m$: Mot	her's Time	$\tilde{\phi}_f$: Fath	er's Time	$\tilde{\phi}_x$: Ch	ildcare	ϕ_{θ} :	TFP
	$(\kappa = 0)$	$(\kappa = 1)$	$(\kappa = 0)$	$(\kappa = 1)$	$(\kappa = 0)$	$(\kappa = 1)$	$(\kappa = 0)$	$(\kappa = 1)$
Constant	8.34	8.33	4.09	4.03	-1.19^{+}	-1.19	-1.05	-1.45
	(1.98)	(1.95)	(1.27)	(1.25)	(0.41)	(0.41)	(0.40)	(0.43)
Single	-0.02	0.02	-	-	0.57	0.56	-0.07	-0.10
	(0.37)	(0.37)	-	-	(0.21)	(0.21)	(0.06)	(0.07)
Type 2	-1.24	-1.24	-	-	0.08	0.10	0.23	0.14
	(0.61)	(0.61)		-	(0.31)	(0.31)	(0.08)	(0.10)
Type 3	-2.80^{+}	-2.78		-	0.03	0.04	0.01	-0.16
	(1.04)	(1.02)		-	(0.32)	(0.32)	(0.13)	(0.15)
Mother some coll.	-0.32	-0.32		-	-0.00	-0.00	0.03	-0.02
	(0.44)	(0.44)		-	(0.20)	(0.20)	(0.06)	(0.07)
Mother coll+	-1.60	-1.59	-	-	-0.27	-0.26	0.01	-0.09
	(0.73)	(0.72)	-	-	(0.19)	(0.19)	(0.10)	(0.11)
Child's age	-0.59	-0.58	-0.47^{+}	-0.46	-0.06	-0.06	-0.03	-0.02
	(0.18)	(0.17)	(0.18)	(0.17)	(0.03)	(0.03)	(0.01)	(0.02)
Num. of children 0-5	0.51	0.48	0.64	0.62	0.10	0.10	0.15	0.14
	(0.31)	(0.30)	(0.42)	(0.42)	(0.12)	(0.12)	(0.05)	(0.05)
Father some coll.		-	-1.04	-1.05	0.00	-0.01	0.09	0.07
	-	-	(0.73)	(0.73)	(0.25)	(0.25)	(0.08)	(0.08)
Father coll+	-	-	-0.70	-0.68	-0.68	-0.68	$0.30^{'}$	0.26
	-	-	(0.64)	(0.64)	(0.24)	(0.24)	(0.08)	(0.09)
Year = 2002	-	-	- 1	- 1	- 1	- ′	0.14	0.20
	_	_	_	_	_	_	(0.06)	(0.07)

Joint GMM Estimation of Demand - Preferred Specification

	(τ, g	ϵ	x,H	Correl.	residuals
	(1)	(2)	(1)	(2)	(1)	(2)
	0.20 (0.05)	0.37 (0.17)	0.51 (0.09)	0.77 (0.09)	0.88	0.88
	$\tilde{\phi}_m$: Mot (1)	ther's Time (2)	$\tilde{\phi}_f$: Fatl	ner's Time (2)	$\tilde{\phi}_x$: Cl (1)	hildcare (2)
Constant	8.37	5.55	4.11	3.35	-1.19	-1.45
	(1.97)	(1.67)	(1.28)	(0.76)	(0.40)	(0.28)
Single	0.29	0.11	-	-	0.62	0.63
	(0.38)	(0.21)	-	-	(0.21)	(0.14)
Type 2	-1.14	-0.49	-	-	0.03	0.00
	(0.59)	(0.46)	-	-	(0.29)	(0.20)
Type 3	-2.49	-1.09	-	-	-0.04	-0.09
	(0.96)	(0.86)	-	-	(0.30)	(0.21)
Mother some coll.	-0.44	-0.13	-	-	-0.00	-0.06
	(0.45)	(0.28)	-	-	(0.19)	(0.13)
Mother coll+	-1.81	-0.76	-	-	-0.20	-0.28
	(0.77)	(0.65)	-	-	(0.19)	(0.13)
Child's age	-0.60	-0.34	-0.48	-0.24	-0.07	-0.04
	(0.18)	(0.15)	(0.18)	(0.14)	(0.03)	(0.02)
Num. of children 0-5	0.33	0.16	0.59	0.29	0.09	0.08
	(0.29)	(0.18)	(0.42)	(0.26)	(0.12)	(0.08)
Father some coll.	-	- '	-1.08	-0.41	0.06	0.01
	-	-	(0.74)	(0.45)	(0.25)	(0.17)
Father coll+	-	-	-0.84	-0.22	-0.54	-0.41
	_	-	(0.66)	(0.44)	(0.23)	(0.16)

Table 1: Joint GMM Estimation - Fully Restricted Case, No Binding Constraints

			$\epsilon_{ au,g}$:,H				δ_1				δ_2
	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)
	0.32	0.26	0.20	0.18	0.52	0.44	0.49	0.50	0.06	0.08	0.07	0.07	0.93	0.93	0.9
	(0.05)	(0.05)	(0.05)	(0.05)	(0.08)	(0.08)	(0.08)	(0.08)	(0.04)	(0.04)	(0.04)	(0.04)	(0.01)	(0.01)	(0.01)
		$\tilde{\phi}_m$: Mo	ther's Time	e		$\tilde{\phi}_f$: Fath	er's Time			$\tilde{\phi}_x$: Cl	nildcare			ϕ_{θ} :	TFP
	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)
Constant	5.07	6.33	8.34	13.12	3.27+	3.50^{+}	4.09	4.16	-1.17^{+}	-1.21^{+}	-1.19^{+}	-1.46^{+}	-0.78	-1.16	-1.0
	(0.68)	(1.02)	(1.98)	(3.94)	(0.74)	(0.90)	(1.27)	(1.41)	(0.32)	(0.44)	(0.41)	(0.61)	(0.46)	(0.49)	(0.40)
Single	0.13	0.11^{+}	-0.02	0.08^{+}	-	-	-	-	0.52^{+}	0.52	0.57	0.60^{+}	-0.08	-0.07	-0.0
	(0.24)	(0.28)	(0.37)	(0.41)	-	-	-	-	(0.20)	(0.24)	(0.21)	(0.21)	(0.06)	(0.06)	(0.06
Mother some coll.	-0.19	-	-0.32	-0.39	-	-	-	-	0.04	-	-0.00	0.04	0.07	-	0.03
	(0.27)	-	(0.44)	(0.49)	-	-	-	-	(0.19)	-	(0.20)	(0.20)	(0.06)	-	(0.06
Mother coll+	-0.83	-	-1.60	-1.73	-	-	-	-	-0.22	-	-0.27	-0.23	0.06	-	0.01
	(0.35)	-	(0.73)	(0.83)		-	-	-	(0.18)		(0.19)	(0.19)	(0.08)	-	(0.10)
Child's age	-0.36	-0.45	-0.59	-0.65	-0.27^{+}	-0.34^{+}	-0.47^{+}	-0.51^{+}	-0.06^{+}	-0.06^{+}	-0.06	-0.06^{+}	-0.02	-0.02	-0.0
	(0.08)	(0.10)	(0.18)	(0.21)	(0.08)	(0.11)	(0.18)	(0.20)	(0.03)	(0.03)	(0.03)	(0.03)	(0.01)	(0.01)	(0.01)
Num. of children 0-5	0.35	0.44	0.51	0.64	0.41	0.46	0.64	0.80	0.10	0.13	0.10	0.10	0.14	0.16	0.15
	(0.18)	(0.23)	(0.31)	(0.36)	(0.25)	(0.30)	(0.42)	(0.49)	(0.12)	(0.14)	(0.12)	(0.13)	(0.05)	(0.05)	(0.05)
Type 2	-	-0.80	-1.24	-	-	-	-	-	-	0.12	0.08	-	-	0.23	0.23
	-	(0.41)	(0.61)	-	-	-	-	-	-	(0.34)	(0.31)	-	-	(0.08)	(0.08)
Type 3	-	-1.93	-2.80^{+}	-	-	-	-	-	-	0.08	0.03	-	-	0.02	0.01
	-	(0.61)	(1.04)	-	-	-	-	-	-	(0.34)	(0.32)	-	-	(0.12)	(0.13)
μ_k	-	- 1	-	-2.98^{+}	-	-	-	-	-	- 1	-	0.13^{+}	-	- 1	-
	-	-	-	(1.20)	-	-	-	-	-	-	-	(0.25)	-	-	-
Father some coll.	-	-	-	-	-0.46	-0.63	-1.04	-1.11	-0.00	0.05	0.00	-0.03	0.12	0.11	0.09
	-	-	-	-	(0.41)	(0.50)	(0.73)	(0.82)	(0.24)	(0.29)	(0.25)	(0.25)	(0.08)	(0.08)	(0.08)
Father coll+	-	-	-	-	-0.17	-0.23	-0.70	-0.84	-0.66	-0.71	-0.68	-0.73	$0.33^{'}$	0.34	0.30
	-	-	-	-	(0.36)	(0.42)	(0.64)	(0.72)	(0.21)	(0.25)	(0.24)	(0.24)	(0.08)	(0.08)	(0.08)
Year = 2002	-	-	-	-	` - ′	- ′	-		- ′	- '	` - '	-	$0.14^{'}$	$0.16^{'}$	0.1
	_	_	_	_	_	_	_	_	_	_	_	_	(0.06)	(0.06)	(0.06)

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Table 2: Joint GMM Estimation - Fully Restricted Case, No Borrowing or Saving

		$\epsilon_{ au}$,g			ϵ_x	H			δ_1				δ	2	
	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
	0.31	0.26	0.20	0.18	0.52	0.45	0.49	0.50	0.13	0.14	0.12	0.13	0.92	0.92	0.93	0.93
	(0.05)	(0.05)	(0.05)	(0.05)	(0.08)	(0.08)	(0.08)	(0.08)	(0.05)	(0.05)	(0.04)	(0.04)	(0.01)	(0.01)	(0.01)	(0.01)
	Č	$\tilde{\phi}_m$: Moth	ner's Tim	e		$\tilde{\phi}_f$: Fath	er's Time			$\tilde{\phi}_x$: Chi	ildcare			ϕ_{θ} :	TFP	
	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
Constant	5.15	6.27	8.33	13.23	3.28	3.40	4.03	4.12	-1.17^{+}	-1.20	-1.19	-1.43	-1.53	-1.74	-1.45	-0.68
	(0.70)	(0.99)	(1.95)	(3.99)	(0.76)	(0.89)	(1.25)	(1.41)	(0.32)	(0.44)	(0.41)	(0.61)	(0.51)	(0.53)	(0.43)	(0.32)
Single	0.14	0.12	0.02	0.10	-	-	-	-	0.51^{+}	0.50	0.56	0.59	-0.11	-0.11	-0.10	-0.08
	(0.24)	(0.28)	(0.37)	(0.41)	-	-	-	-	(0.20)	(0.24)	(0.21)	(0.21)	(0.06)	(0.07)	(0.07)	(0.07)
Mother some coll.	-0.19	-	-0.32	-0.38	-	-	-	-	0.04	-	-0.00	0.04	0.01	-	-0.02	-0.0
	(0.28)	-	(0.44)	(0.50)	-	-	-	-	(0.19)	-	(0.20)	(0.20)	(0.07)	-	(0.07)	(0.07)
Mother coll+	-0.85	-	-1.59	-1.74	-	-	-	-	-0.22	-	-0.26	-0.22	-0.05	-	-0.09	-0.1
	(0.36)	-	(0.72)	(0.84)	-	-	-	-	(0.18)	-	(0.19)	(0.19)	(0.10)	-	(0.11)	(0.11)
Child's age	-0.38	-0.44	-0.58	-0.66	-0.27	-0.33	-0.46	-0.51	-0.06^{+}	-0.07	-0.06	-0.06	-0.01	-0.01	-0.02	-0.0
	(0.08)	(0.10)	(0.17)	(0.22)	(0.09)	(0.11)	(0.17)	(0.21)	(0.03)	(0.03)	(0.03)	(0.03)	(0.02)	(0.02)	(0.02)	(0.02)
Num. of children 0-5	$0.32^{'}$	0.40	0.48	0.61	0.40	0.44	$0.62^{'}$	0.78	0.11	$0.12^{'}$	0.10	0.10	0.13	0.14	0.14	0.12
	(0.19)	(0.22)	(0.30)	(0.36)	(0.25)	(0.29)	(0.42)	(0.49)	(0.12)	(0.14)	(0.12)	(0.13)	(0.05)	(0.05)	(0.05)	(0.05)
Type 2	-	-0.79	-1.24	-	_ ′	-		-	-	$0.14^{'}$	0.10	_ ′	-	0.13	$0.14^{'}$	` -
V 1	-	(0.40)	(0.61)	-	_	_	_	-	_	(0.34)	(0.31)	_	_	(0.10)	(0.10)	-
Type 3	_	-1.91	-2.78	_	_	_	_	_	-	0.09	$0.04^{'}$	_	_	-0.17	-0.16	_
<i>J</i> 1	_	(0.60)	(1.02)	_	_	_	_	_	-	(0.34)	(0.32)	_	_	(0.15)	(0.15)	_
μ_k	_	-	-	-3.01	_	_	_	_	-	_ ′	-	0.12^{+}	_	-	-	-0.3
, ,,	_	_	_	(1.22)	_	_	_	_	-	_	_	(0.25)	_	_	_	(0.17)
Father some coll.	_	_	_	_ ′	-0.50	-0.61	-1.05	-1.14	-0.00	0.04	-0.01	-0.03	0.09	0.06	0.07	0.08
	_	_	_	_	(0.42)	(0.49)	(0.73)	(0.83)	(0.24)	(0.28)	(0.25)	(0.25)	(0.08)	(0.09)	(0.08)	(0.08
Father coll+	_	_	_	_	-0.19	-0.20	-0.68	-0.83	-0.67	-0.72	-0.68	-0.74	0.28	0.28	0.26	0.27
,	_	_	_	_	(0.37)	(0.41)	(0.64)	(0.73)	(0.21)	(0.25)	(0.24)	(0.24)	(0.09)	(0.09)	(0.09)	(0.09
Year = 2002	_	_	_	_	_	-	-	-	-	_	-	-	0.21	0.22	0.20	0.2
													(0.07)	(0.07)	(0.07)	(0.07

Note: Superscripts indicate results of Lagrange Multiplier test of individual parameter restrictions. Rejection for a test of size 5%, 1% and 0.1% is indicated by *, **, and ***.

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Table 3: Joint GMM Estimation - Unrestricted, No Borrowing or Saving

	$\epsilon_{\tau,g}$ Rel. Dem.	Prod.	$\epsilon_{x,H}$ Rel. Dem.	Prod.	δ_1	δ_2	$2N(Q_N - \tilde{Q}_N)$
	0.20 (0.05)	- -	0.49 (0.08)	- -	0.12 (0.04)	0.93 (0.01)	0.00 (1.00)
	$\tilde{\phi}_m$: Mother Rel. Dem.	's Time Prod.	$\tilde{\phi}_f$: Father Rel. Dem.	's Time Prod.	$\tilde{\phi}_x$: Chil-Rel. Dem.	dcare Prod.	ϕ_{θ} : TFP
Constant	8.33	_	4.03	_	-1.19	_	-1.45
	(1.95)		(1.25)		(0.41)		(0.43)
Single	0.02	_	-	_	0.56	_	-0.10
8	(0.37)				(0.21)		(0.07)
Type 2	-1.24	-	-	_	0.10	_	$0.14^{'}$
V 1	(0.61)				(0.31)		(0.10)
Type 3	-2.78	_	-	_	$0.04^{'}$	_	-0.16
V 1	(1.02)				(0.32)		(0.16)
Mother some coll.	-0.32	-	-	-	-0.00	-	-0.02
	(0.44)				(0.20)		(0.08)
Mother coll+	-1.59	-	-	-	-0.26	-	-0.09
	(0.72)				(0.19)		(0.11)
Child's age	-0.58	-	-0.46	-	-0.06	-	-0.02
	(0.17)		(0.17)		(0.03)		(0.02)
Num. of children 0-5	0.48	-	$0.62^{'}$	-	0.10	-	$0.14^{'}$
	(0.30)		(0.42)		(0.12)		(0.05)
Father some coll.	-	-	-1.05	-	-0.01	-	$0.07^{'}$
			(0.73)		(0.25)		(0.08)
Father coll+	_	-	-0.68	-	-0.68	-	$0.26^{'}$
			(0.64)		(0.24)		(0.09)
Year = 2002	-	-	- /	-	- '	-	$0.20^{'}$
							(0.07)

Table 4: Joint GMM Estimation - Unrestricted, No Binding Constraints

	$\epsilon_{\tau,g}$ Rel. Dem.	Prod.	$\epsilon_{x,H}$ Rel. Dem.	Prod.	δ_1	δ_2	$2N(Q_N - \tilde{Q}_N)$
	0.19 (0.05)	- -	0.50 (0.08)	- -	0.10 (0.05)	0.93 (0.02)	2.60 (0.46)
	$\tilde{\phi}_m$: Mother Rel. Dem.	r's Time Prod.	$\tilde{\phi}_f$: Father' Rel. Dem.	s Time Prod.	$\tilde{\phi}_x$: Chil Rel. Dem.	dcare Prod.	ϕ_{θ} : TFP
Constant	8.60	_	4.06	_	-1.16	0.62	-1.43
	(2.09)		(1.31)		(0.40)	(8.11)	(0.79)
Single	0.00	-	-	_	$0.56^{'}$	-	-0.03
O	(0.39)				(0.21)		(0.19)
Type 2	-1.28	_	-	_	0.07	_	0.19
V 1	(0.64)				(0.30)		(0.18)
Type 3	-2.90	1.46	_	_	0.02	_	0.10
VI	(1.09)	(16.96)			(0.31)		(0.52)
Mother some coll.	-0.34	-	_	_	-0.01	_	0.01
	(0.46)				(0.19)		(0.16)
Mother coll+	-1.68	_	_	_	-0.28	_	-0.01
	(0.77)				(0.19)		(0.11)
Child's age	-0.61	_	-0.48	-0.67	-0.07	_	-0.01
	(0.19)		(0.18)	(7.19)	(0.03)		(0.08)
Num. of children 0-5	0.51	_	0.68	-	0.09	_	0.15
rami or omiaron o o	(0.32)		(0.44)		(0.12)		(0.06)
Father some coll.	-	_	-1.08	_	-0.00	_	0.07
Tuttion boiling colli			(0.76)		(0.25)		(0.08)
Father coll+	_	_	-0.75	_	-0.66	_	0.30
1 441101 0011			(0.67)		(0.23)		(0.30)
Year = 2002	_	_	(0.01)	_	(0.20)	_	0.16
1001 - 2002							(0.07)

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Table 5: Joint GMM Estimation - Fully Restricted Case, Unconstrained, Older Children

			ρ				δ_1				$\dot{2}$	
_	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
	0.24	0.18	0.10	0.06	-0.02	0.04	-0.02	-0.03	0.97	0.97	0.97	0.97
	(0.06)	(0.06)	(0.07)	(0.07)	(0.04)	(0.05)	(0.04)	(0.04)	(0.02)	(0.02)	(0.02)	(0.02)
		$\tilde{\phi}_m$: Mot	her's Tin	ne		$\tilde{\phi}_f$: Fath	ner's Time	e		$ ilde{\phi}_{ heta}$:	TFP	
	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
Constant	6.13	7.92	13.72	39.11	3.84	4.68	7.60	12.53	0.04	-0.46	0.03	0.23
	(2.16)	(3.16)	(8.76)	(44.89)	(2.36)	(3.21)	(6.50)	(15.63)	(0.47)	(0.48)	(0.47)	(0.43)
Single	0.39	0.42	0.48	0.81	-	-	-	-	-0.10	-0.14	-0.11	-0.11
	(0.45)	(0.60)	(1.03)	(2.00)	-	-	-	-	(0.08)	(0.09)	(0.08)	(0.09)
Mother some coll.	-0.56	_	-1.43	-2.46	-	-	-	-	-0.07	-	-0.08	-0.07
	(0.56)	-	(1.56)	(3.71)	-	-	-	-	(0.09)	-	(0.09)	(0.09)
Mother coll+	-1.19	-	-3.38	-6.07	-	-	-	-	$0.05^{'}$	-	$0.04^{'}$	$0.05^{'}$
	(0.71)	-	(2.78)	(7.83)	-	-	-	-	(0.12)	-	(0.13)	(0.13)
Child's age	-0.50	-0.63	-1.07	-1.94	-0.37	-0.54	-1.05	-1.95	-0.01	-0.03	-0.01	-0.01
<u> </u>	(0.21)	(0.31)	(0.78)	(2.31)	(0.24)	(0.35)	(0.86)	(2.48)	(0.04)	(0.04)	(0.04)	(0.04)
Num. of children 0-5	0.55	$0.94^{'}$	$1.23^{'}$	2.69	0.56	$0.74^{'}$	1.23	$2.15^{'}$	-0.00	0.01	0.00	0.01
	(0.43)	(0.60)	(1.15)	(3.40)	(0.52)	(0.70)	(1.36)	(3.13)	(0.11)	(0.11)	(0.10)	(0.10)
Type 2		$-1.55^{'}$	$-3.12^{'}$	-			_ ′	-	_ ′	0.00	0.11	-
<i>J</i> F	_	(1.02)	(2.54)	_	_	_	_	_	_	(0.11)	(0.12)	_
Type 3	_	-3.17	-5.80	_	_	_	_	_	_	-0.17	0.06	_
<i>y</i> r · · ·	_	(1.61)	(4.36)	_	_	_	_	_	_	(0.19)	(0.17)	_
μ_k	_		_ ′	-11.60	_	_	_	_	_	_ ′		-0.02
	_	_	_	(14.46)	_	_	_	_	_	_	_	(0.20)
Father some coll.	_	_	_	-	-1.26	-1.76	-3.75	-7.47	-0.01	-0.11	-0.01	0.00
	_	_	_	_	(0.85)	(1.19)	(3.17)	(9.68)	(0.14)	(0.14)	(0.14)	(0.14)
Father coll+	_	_	_	_	-0.94	-1.59	-3.47	-7.22	0.33	0.27	0.36	0.38
	_	_	_	_	(0.73)	(1.06)	(3.01)	(9.43)	(0.13)	(0.14)	(0.13)	(0.14)
Year = 2002	_	_	_	_	(0.75)	-	(0.01)	-	0.22	0.24	0.22	0.22
1001 - 2002	_	_	_	_	_	_	_	_	(0.08)	(0.08)	(0.08)	(0.08)

Table 6: Joint GMM Estimation - Mother's Share Unrestricted, No Borrowing or Saving

	$\epsilon_{ au,g}$	1	$\epsilon_{x,H}$		δ_1	δ_2	$2N(Q_N - \tilde{Q}_N)$
	Rel. Dem.	Prod.	Rel. Dem.	Prod.	-	-	-
	0.20	-	0.49	-	0.13	0.92	0.30
	(0.05)	-	(0.08)	-	(0.05)	(0.02)	(0.58)
	$\tilde{\phi}_m$: Mothe	r's Time	$\tilde{\phi}_f$: Father	's Time	$\tilde{\phi}_x$: Chil	dcare	ϕ_{θ} : TFP
	Rel. Dem.	Prod.	Rel. Dem.	Prod.	Rel. Dem.	Prod.	-
Constant	8.37	10.37	4.04	-	-1.19	-	-1.66
	(1.98)	(5.13)	(1.27)		(0.41)		(0.69)
Single	$0.02^{'}$	` - ´	- ′	-	$0.56^{'}$	-	-0.07
~	(0.37)				(0.21)		(0.07)
Type 2	-1.25	_	-	-	0.10	_	0.20
V .	(0.61)				(0.31)		(0.15)
Type 3	-2.77	_	-	_	$0.04^{'}$	_	-0.05
V 1	(1.03)				(0.32)		(0.27)
Mother some coll.	-0.32	_	-	-	-0.01	_	0.00
	(0.44)				(0.20)		(0.08)
Mother coll+	-1.60	_	-	_	-0.26	_	-0.02
	(0.73)				(0.19)		(0.17)
Child's age	-0.59	_	-0.46	-	-0.06	_	-0.00
Ü	(0.18)		(0.17)		(0.03)		(0.05)
Num. of children 0-5	$0.47^{'}$	_	$0.62^{'}$	_	0.10	_	0.13
	(0.30)		(0.42)		(0.12)		(0.05)
Father some coll.	-	_	-1.06	_	-0.01	_	$0.07^{'}$
			(0.73)		(0.25)		(0.09)
Father coll+	-	_	-0.71	_	-0.68	_	0.24
·			(0.65)		(0.24)		(0.10)
Year = 2002	_	_	- /	_	- /	_	0.19
							(0.07)

Table 7: Joint GMM Estimation - Mother's Share Unrestricted, No Binding Constraints

	$\epsilon_{ au,g}$		$\epsilon_{x,H}$		δ_1	δ_2	$2N(Q_N - \tilde{Q}_N)$
	Rel. Dem.	Prod.	Rel. Dem.	Prod.	-	-	-
	0.19	-	0.49	-	0.08	0.93	0.24
	(0.05)	-	(0.08)	-	(0.04)	(0.01)	(0.62)
	$\tilde{\phi}_m$: Mother	r's Time	$\tilde{\phi}_f$: Father	's Time	$\tilde{\phi}_x$: Chile	dcare	ϕ_{θ} : TFP
	Rel. Dem.	Prod.	Rel. Dem.	Prod.	Rel. Dem.	Prod.	-
Constant	8.44	10.05	4.10	_	-1.19	_	-1.16
	(2.02)	(7.68)	(1.29)		(0.41)		(0.65)
Single	-0.01	-	-	-	0.57	-	-0.05
	(0.38)				(0.21)		(0.08)
Type 2	-1.26	-	-	-	0.08	-	0.26
	(0.62)				(0.31)		(0.16)
Type 3	-2.83	-	-	-	0.03	-	0.06
	(1.05)				(0.32)		(0.30)
Mother some coll.	-0.33	-	-	-	-0.01	-	0.04
	(0.45)				(0.20)		(0.08)
Mother coll+	-1.64	-	-	-	-0.27	-	0.04
	(0.74)				(0.19)		(0.19)
Child's age	-0.59	-	-0.47	-	-0.06	-	-0.02
	(0.18)		(0.18)		(0.03)		(0.05)
Num. of children 0-5	0.51	-	0.65	-	0.10	-	0.15
	(0.31)		(0.43)		(0.12)		(0.05)
Father some coll.	-	-	-1.06	-	-0.00	-	0.08
			(0.74)		(0.25)		(0.08)
Father coll+	-	-	-0.73	-	-0.67	-	0.29
			(0.65)		(0.24)		(0.09)
Year = 2002	-	-	-	-	· -	-	$0.14^{'}$
							(0.06)

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Table 8: Direct GMM Estimation - Relaxed Demand Specification

	$_{(1)}^{\rho}$	$\gamma \ (1)$	$\delta_1 \ (1)$	$ \delta_2 $ (1)
	[-5.35, 10.72]	[-17.05, 3.12]	[-0.12, 0.12]	[0.91, 0.96]
	$\tilde{\phi}_m$: Mother's Time (1)	$\tilde{\phi}_f$: Father's Time (1)	$\tilde{\phi}_x$: Childcare (1)	ϕ_{θ} : TFP (1)
Constant	[-6.71, 8.76]	[-4.23, 6.64]	[-7.15, 3.83]	[-2.09, 2.63]
Single	-	-	[-10.99, 10.17]	[-0.55, 0.31]
Mother some coll.	-	-	-	[-1.49, 1.68]
Mother coll+	-	-	-	[-1.26, 1.32]
Father some coll.	-	-	-	[-1.91, 1.23]
Father coll+	-	-	-	[-0.16, 1.27]
Child's age	-	-	-	[-0.18, 0.04]
Num. of children 0-5	-	-	-	[-0.44, 0.67]
Year = 2002	-	-	-	[-0.04, 0.25]

This table reports the 10th and 90th percentiles of the bootstrapped distribution of parameter estimates from the direct estimation method. To avoid convergence issues, each bootstrap trial is terminated after 100 LBFGS iterations followed by 10 iterations of Newton's method.