

Summary of GMM Estimates

your old pal Jo

February 24, 2023

Preliminaries

- Let there be N children indexed by N . Let $g(M_n, Z_n)$ indicate the moment conditions with marital status $M_n = 1$ if married.
- Data used here is the same as the data from the first draft, not yet using the updated dataset.

Quick Summary of Specifications

Specification (1) replicates the approach from the first draft of the paper, where moments for singled and married individuals are stacked on top of each other:

$$g(Z_n) = \begin{bmatrix} (1 - M_n)g(0, Z_n) \\ M_n g(1, Z_n) \end{bmatrix}.$$

Results are slightly different to the draft (found some small errors there).

Specifications (2)-(6) arrange the moments differently.

Estimation Results

Table 1: GMM Estimation of Relative Demand System

	(1)	(2)	(3)	(4)	(5)	(6)
ρ	-1.56 (0.46)	-1.52 (0.45)	-1.78 (0.56)	-2.34 (0.84)	-2.35 (0.95)	-2.28 (0.84)
γ	-1.47 (0.56)	-1.37 (0.56)	-1.93 (0.78)	-1.61 (0.69)	-1.98 (0.83)	-1.68 (0.75)
ϕ_m : Mother's Time						
Married	3.73 (1.85)	3.95 (2.05)	5.94 (2.49)	8.77 (4.20)	4.44 (2.77)	5.00 (3.00)
Single	3.80 (1.50)	3.89 (1.61)	5.96 (2.10)	8.40 (3.52)	4.41 (2.24)	4.78 (2.36)
Mother: Some College	-0.32 (0.30)	-0.34 (0.30)	-	-0.58 (0.44)	-	-0.57 (0.44)
Mother: College+	0.32 (0.32)	0.10 (0.31)	-	0.10 (0.42)	-	0.04 (0.42)
Child Age	-0.18 (0.07)	-0.18 (0.07)	-0.21 (0.07)	-0.26 (0.11)	-0.26 (0.11)	-0.25 (0.11)
Num. Children 0-5	-1.11 (0.41)	-1.11 (0.40)	-1.11 (0.41)	-1.48 (0.64)	-1.42 (0.64)	-1.43 (0.62)
Type 2	-	-	-2.15 (0.83)	-2.84 (1.21)	-	-
Type 3	-	-	-2.56 (0.90)	-3.34 (1.32)	-	-
μ_k	-	-	-	-	-1.05 (0.58)	-1.13 (0.58)
ϕ_f : Father's Time						
Const.	2.31 (1.71)	2.38 (1.89)	1.93 (1.60)	3.76 (2.87)	2.73 (2.39)	3.29 (2.73)
Father: College+	-0.53 (0.47)	-0.58 (0.49)	-0.74 (0.55)	-1.08 (0.71)	-0.83 (0.68)	-0.89 (0.68)
Father: Some College	0.31 (0.39)	0.20 (0.40)	0.22 (0.46)	0.01 (0.53)	0.20 (0.56)	0.01 (0.53)
Child Age	0.01 (0.08)	0.02 (0.09)	0.07 (0.09)	0.05 (0.12)	0.04 (0.11)	0.05 (0.12)
Num. Children 0-5	-0.83 (0.46)	-0.51 (0.44)	-0.59 (0.48)	-0.86 (0.68)	-0.69 (0.63)	-0.73 (0.64)
ϕ_g : Goods						
Married	-1.08 (1.50)	-0.70 (1.72)	0.14 (1.87)	1.92 (3.14)	-0.51 (2.15)	-0.01 (2.50)
Single	-1.45 (1.13)	-1.28 (1.25)	-0.36 (1.49)	0.84 (2.38)	-1.27 (1.52)	-0.98 (1.74)
Mother: Some College	0.18 (0.36)	0.09 (0.37)	-	-0.01 (0.50)	0.18 (0.60)	0.06 (0.49)
Mother: College+	0.92 (0.52)	0.70 (0.50)	-	1.07 (0.72)	1.12 (0.80)	1.06 (0.73)
Father: College+	-0.32 (0.42)	-0.26 (0.44)	-0.10 (0.48)	-0.34 (0.60)	-0.47 (0.61)	-0.36 (0.59)
Father: Some College	0.33 (0.44)	0.29 (0.45)	0.75 (0.54)	0.35 (0.59)	0.38 (0.61)	0.26 (0.58)
Child Age	0.18 (0.07)	0.15 (0.07)	0.19 (0.08)	0.22 (0.11)	0.21 (0.11)	0.21 (0.11)
Num. Children 0-5	-1.05 (0.47)	-1.13 (0.48)	-1.23 (0.54)	-1.60 (0.78)	-1.61 (0.81)	-1.57 (0.76)
Type 2	-	-	-1.34 (0.81)	-1.85 (1.11)	-	-
Type 3	-	-	-1.19 (0.76)	-1.56 (1.02)	-	-
μ_k	-	-	-	-	0.08 (0.54)	-0.04 (0.54)

Summary of Specifications Goes Here