

Appendix

Table A1. Estimated coefficients of consistent QUAIDS with IFGNLS estimation

Explanatory variable	Grains	Vegetables	Oils and fats	Animal products	Other foods	Demos (ρ_k)
Ln prices of (γ_{ij})						
P-grains	1.687*** (0.083)	0.022 (0.020)	0.201*** (0.022)	-1.766*** (0.087)	-0.144*** (0.040)	
P-vegetables		0.100*** (0.003)	-0.002 (0.004)	-0.124*** (0.023)	0.004 (0.006)	
P-oils and fats			0.117*** (0.007)	-0.291*** (0.027)	-0.025*** (0.009)	
P-animal products				2.184*** (0.113)	-0.002 (0.035)	
P-other foods					0.166*** (0.016)	
Ln $x(\beta_i)$	-0.309*** (0.01)	-0.015*** (0.006)	-0.046*** (0.007)	0.265*** (0.011)	0.106*** (0.01)	
(Ln x) ² (λ_i)	0.002*** (0.001)	0.001** (0.000)	0.001*** (0.000)	-0.010*** (0.000)	0.006*** (0.000)	
Constant(α_i)	-2.018*** (0.06)	0.118*** (0.033)	-0.383*** (0.041)	2.671*** (0.06)	0.612*** (0.064)	
Demos(η_{ik})						
Gender(1/0)	-0.003*** (0.000)	0.000 (0.000)	0.000*** (0.000)	0.003*** (0.000)	0.000 (0.000)	0.039** (0.015)
Age3149(1/0)	-0.001* (0.000)	0.000** (0.000)	-0.001*** (0.000)	0.002*** (0.001)	0.000 (0.000)	-0.017 (0.026)
Age5064(1/0)	0.000 (0.000)	0.000* (0.000)	-0.001*** (0.000)	0.001 (0.001)	0.000 (0.000)	-0.017 (0.028)
Age65(1/0)	0.002*** (0.001)	-0.001*** (0.000)	-0.001*** (0.000)	-0.001 (0.001)	0.001*** (0.000)	-0.088*** (0.034)
HHsize	0.000*** (0.000)	0.000*** (0.000)	0.000*** (0.000)	0.000 (0.000)	0.000*** (0.000)	-0.02*** (0.004)
Marital(1/0)	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)	0.000 (0.001)	0.000 (0.000)	0.03 (0.025)
Eduyear	0.000*** (0.000)	0.000*** (0.000)	0.000* (0.000)	0.000*** (0.000)	0.000 (0.000)	0.003 (0.002)
Year06(1/0)	0.002*** (0.000)	0.001*** (0.000)	0.000 (0.000)	-0.004*** (0.001)	0.001** (0.000)	0.102*** (0.023)
Year09(1/0)	0.004*** (0.000)	0.001*** (0.000)	0.000 (0.000)	-0.005*** (0.001)	0.000 (0.000)	0.099*** (0.023)
Year11(1/0)	0.001*** (0.000)	0.002*** (0.000)	0.000 (0.000)	0.000 (0.001)	-0.003*** (0.000)	-0.095*** (0.019)
East(1/0)	0.048*** (0.004)	0.006*** (0.001)	0.01*** (0.001)	-0.078*** (0.005)	0.014*** (0.001)	7.807*** (1.29)
West(1/0)	0.04*** (0.003)	0.004*** (0.001)	0.009*** (0.001)	-0.064*** (0.005)	0.011*** (0.001)	4.287*** (0.729)
North(1/0)	0.009*** (0.002)	0.003*** (0.000)	0.003*** (0.000)	-0.012*** (0.004)	-0.003*** (0.001)	0.468*** (0.144)
Sigma(σ_i)			-0.103*** (0.037)	0.154*** (0.008)	-0.051 (0.036)	
Theta(θ_i)	0.096*** (0.008)	-0.035*** (0.005)	0.013** (0.005)	-0.101*** (0.01)	0.027*** (0.008)	

Estimated using CHNS data from 2004–2011. *, ** and *** denote statistical significance at the 10%, 5% and 1% levels, respectively. All p-values standard errors are based on the bootstrap method and given in parenthesis.