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Commodity and Food Elasticities: Demand Elasticities from Literature Results

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BEEF-UNITED STATES

	AUTHOR	SOURCE TABLE	PUBLICATION DATE	DATA PERIOD	MODEL	DEMAND	PROPERTY	EXPENDITURE	INCOME	OWNPRICE	Poultry CROSSPRICE
	Alston et. al.	Table 5. Estimated Elasticities: Rotterdam and Almost Ideal Specifications	1993	1967-1988	Rotterdam	Marshallian	additivity, homogeneity	1.25		-0.98	
	Brester et. al.	Table 2. Regression Results of the GMM Estimation of Equation (5) and (6) as a System, the GMM Estimation of Education (7) and the 2SLS Estimation of a Traditional Specification	1993	1955-1987	logarithmic	not avail	homogeneity			-0.45	0.37
	Bryant	Page 12-13 in text	2001	1976-1993	FAIDS/Rotterdam	not avail	not avail	0.117		-0.597	
	Chen	Table 1. Marshallian meat demand elasticities at the mean, 1958-85 the United States; The asymmetric linear almost ideal demand system (LAIDS)	1998	1958-1985	LAIDS	Marshallian	additivity, homogeneity, symmetry	1.423		-1.205	

	Author	Source	Year	Period	Model	Demand	Restrictions				
	Chen	Table 1. Marshallian meat demand elasticities at the mean, 1958-85 the United States; The mean symmetric linear almost ideal demand system (LAIDS)	1998	1958-1985	LAIDS	Marshallian	additivity, homogeneity, symmetry	1.407		-1.184	
	Chen	Table 1. Marshallian meat demand elasticities at the mean, 1958-85 the United States; The symmetric linear almost ideal demand system (LAIDS)	1998	1958-1985	LAIDS	Marshallian	additivity, homogeneity, symmetry	1.259		-1.173	
	Chen	Table 1. Marshallian meat demand elasticities at the mean, 1958-85 the United States; The symmetric nonlinear almost ideal demand system (NAIDS)	1998	1958-1985	NAIDS	Marshallian	additivity, homogeneity, symmetry	1.043		-0.951	
	Dahlgran	Table 3. Comparison of Elasticities and Flexibilities, 1960s versus 1985; 1960 elasticities	1987	1950-1985	Rotterdam	Marshallian	additivity, homogeneity, symmetry			-1.041	
	Dahlgran	Table 3. Comparison of Elasticities and Flexibilities, 1960s versus 1985; 1985 elasticities	1987	1950-1985	Rotterdam	Marshallian	additivity, homogeneity, symmetry			-0.659	
	Hahn, W.F.	Table 1. Mean parameter estimates and the implied elasticities of demand	2001	1979-1996	N/A	Marshallian	negativity			-0.827	
	Huang, K.S., and B. Lin	Table 4-Demand elasticities from the AIDS model: Case of all sample households	2000	1936, 1942, 1948, 1955, 1965-1966, 1977-1978, 1987-1988	AIDS	Marshallian	additivity, homogeneity, symmetry			-0.354	-0.0199
	Huang, K.S., and B. Lin	Table 5. Demand elasticities from the AIDS model: Case of high-income households	2000	1936, 1942, 1948, 1955, 1965-1966, 1977-1978, 1987-1988	AIDS	Marshallian	additivity, homogeneity, symmetry			-0.408	-0.0342
	Huang, K.S., and B. Lin	Table 6. Demand elasticities from the AIDS model: Case of medium-income households	2000	1936, 1942, 1948, 1955, 1965-1966, 1977-1978, 1987-1988	AIDS	Marshallian	additivity, homogeneity, symmetry				-0.0193
	Huang, K.S., and B. Lin	Table 7. Demand elasticities from the AIDS model: Case of low-income households	2000	1936, 1942, 1948, 1955, 1965-1966, 1977-1978, 1987-1988	AIDS	Marshallian	additivity, homogeneity, symmetry			-0.2929	-0.0125
	Huang, K.S., and B. Lin	Table 4. Demand elasticities derived from the AIDS model: Case of all sample households.	2000	1987-1988	AIDS	Marshallian	homogeneity			-0.354	-0.0199
	Huang, K.S., and B. Lin	Table 5. Demand elasticities derived from the AIDS Model: Case of high income households	2000	1987-1988	AIDS	Marshallian	homogeneity			-0.408	-0.0342
	Huang, K.S., and B. Lin	Table 6. Demand elasticities derived from the AIDS Model: Case of medium income households	2000	1987-1988	AIDS	Marshallian	homogeneity			-0.2615	-0.0193
	Huang, K.S., and B. Lin	Table 7. Demand elasticities derived from the AIDS model: Case of low income households.	2000	1987-1988	AIDS	Marshallian	homogeneity			-0.2929	-0.0125
	Huang, K.S., and B. Lin	Table 8. Comparison of Own Price, expenditure, and quality elasticities by income groups	2000	1987-1988	AIDS	Marshallian	homogeneity	0.7368			
	Huang, K.S., and B. Lin	Table 8. Comparison of Own Price, expenditure, and quality elasticities by income groups	2000	1987-1988	AIDS	Marshallian	homogeneity	0.9124			
	Huang, K.S., and B. Lin	Table 8. Comparison of Own Price, expenditure, and quality elasticities by income groups	2000	1987-1988	AIDS	Marshallian	homogeneity	0.7417			
	Huang, K.S., and B. Lin	Table 8. Comparison of Own Price, expenditure, and quality elasticities by income groups	2000	1987-1988	AIDS	Marshallian	homogeneity	0.6929			
	Huang, K.S., and B. Lin	Table 8. Comparison of Own Price, expenditure, and quality elasticities by income groups	2000	1987-1988	AIDS	Marshallian	homogeneity	0.8016			

	Author	Table	Year	Period	Model	Approach	Assumptions	Expenditure	Income	Own price	Cross price
	Menkhaus et. al.	Table 3. Estimated Uncompensated Direct Price and Cross Price Elasticities - Beef(b), Pork (p), and Chicken (c).	1985	1965-1981	Translog	Marshallian	additivity, homogeneity			-4.93	
	Menkhaus et. al.	Table 4. Estimated Expenditure and Income Elasticities and Allen Elasticites of Substitution - Beef (b), Pork (p), and Chicken (c) from Budget Share Equations.	1985	1965-1981	Translog	Marshallian	additivity, homogeneity	5.767	4.777		
	Moschini et. al.	Table 4. Estimated Marshallian Elasticities at the Sample Mean	1989	1967-1987	AIDS	Marshallian	additivity, homogeneity, symmetry	1.39		-1.05	
	Moschini et. al.	Table 4. Marshallian Elasticities at the Mean	1994	1947-1978	Rotterdam	Marshallian	additivity, homogeneity, symmetry		0.66	-0.84	
	Wohlgenant, M. K.	Table 2. Estimated Elasticities of U.S. Beef Demand for Alternative Models, Select Years; 1950	1985	1947-1983	N/A	Marshallian	homogeneity			-1.14	-0.09
	Wohlgenant, M. K.	Table 2. Estimated Elasticities of U.S. Beef Demand for Alternative Models, Select Years; 1950	1985	1947-1983	N/A	Marshallian	homogeneity			-1.31	0.16
	Wohlgenant, M. K.	Table 2. Estimated Elasticities of U.S. Beef Demand for Alternative Models, Select Years; 1960	1985	1947-1983	N/A	Marshallian	homogeneity			-1.6	0.07
	Wohlgenant, M. K.	Table 2. Estimated Elasticities of U.S. Beef Demand for Alternative Models, Select Years; 1965	1985	1947-1983	N/A	Marshallian	homogeneity			-1.45	0.15
	Wohlgenant, M. K.	Table 2. Estimated Elasticities of U.S. Beef Demand for Alternative Models, Select Years; 1970	1985	1947-1983	N/A	Marshallian	homogeneity			-1.31	0.1
	Wohlgenant, M. K.	Table 2. Estimated Elasticities of U.S. Beef Demand for Alternative Models, Select Years; 1975	1985	1947-1983	N/A	Marshallian	homogeneity			-2.77	0.93
	Wohlgenant, M. K.	Table 2. Estimated Elasticities of U.S. Beef Demand for Alternative Models, Select Years; 1978	1985	1947-1983	N/A	Marshallian	homogeneity			-2.23	1.46
	Wohlgenant, M. K.	Table 2. Estimated Elasticities of U.S. Beef Demand for Alternative Models, Select Years; 1980	1985	1947-1983	N/A	Marshallian	homogeneity			-1.16	1.05

Statistic Information	Minimum	Maximum	Mean	Standard Deviation
Beef expenditure	0.117	5.767	1.34934	1.37910
Beef income	0.66	4.777	2.7185	2.91116
Beef own price	-4.93	-0.2615	-1.11530	0.94964
Poultry cross price	-0.09	1.46	0.23695	0.45803

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