

Table I  
Tobacco Productivity, 1669-1703, Productivity, 1669-1703,  
Multiple Regression Analysis

Independent Variable	Coefficient	T-Statistic
Intercept	70902*	5.4
PA5	-3865.5*	-8.5
PMIN4	-734.4*	-3.7
LAND	3.421*	4.3
UNIND	527.5*	3.8
SUM	-964.0*	-3.6
POP	70.48*	4.3
CHECK	43.90	2.0
SHPWG	30.39*	10.4
WAR	264.2*	4.8
YEAR	-37.62*	-5.4
R <sup>2</sup>	0.957	
D.W.	2.56	
N	26	

\* denotes statistical significance at the 5% level of significance

Dependent Variable:

TOBPRD      English/British tobacco imports per Chesapeake  
tithable (pounds of tobacco per tithable)

Independent Variables:

PA5            unweighted average tobacco price for the current  
production year and the previous five years  
(pence sterling)

PMIN4        minimum tobacco price for the current production  
year and the previous four years (pence sterling)

CHECK        1, if the price of tobacco in the current produc-  
tion year is less than the price in the  
previous production year

0, if otherwise

LAND Virginia patents for new land in current production year (000 acres)

SUM cumulative Virginia patent acreage for new land as of current production year (000,000 acres)

UNIND Chesapeake unindentured servants registered in current production year (000 servants)

POP total Chesapeake tithable population as of current production year (000 tithables)

SHPWG sailor's wages in current marketing year (shillings per month)

WAR 1, for current marketing years when war in Europe significantly impacted Atlantic trade  
0, if otherwise

YEAR secular time trend

Sources:

Data for TOBPRD, PA5, PMIN4, CHECK, and POP from Russell R. Menard, "The Tobacco Industry in the Chesapeake Colonies, 1617-1730: An Interpretation," Research in Economic History 5 (1980): 157-61. Data on TOBPRD for the years 1686-8 adjusted based on Robert C. Nash, "The English and Scottish Tobacco Trades in the Seventeenth and Eighteenth Centuries: Legal and Illegal Trade," Economic History Review 35 (1982): 356. Data for UNIND aggregated for several counties representing about a fifth of total tithable population. For Charles, Northumberland, Talbot, Somerset, and Prince George counties, see Russell R. Menard, Economy and Society in Early Colonial Maryland (New York: Garland, 1985) 115. For York and Lancaster counties, see Russell R. Menard, "From Servants to Slaves: The Transformation of the Chesapeake Labor System," Southern Studies 16 (1977): 365. Middlesex county data was provided by the Rutmans. Data for LAND and SUM from Bruce Chandler Baird, Jr., "New Land Acquisition in the Colonial Chesapeake, 1660-1706: A Test of the Malthusian and Staples Hypotheses," M.A. thesis, College of William and Mary, 1990, 41. Data for SHPWG and

WAR from Ralph Davis, The Rise of the English Shipping Industry in the Seventeenth and Eighteenth Centuries (London: Macmillan, 1962) 133-58.