

ภาคผนวก ข

แสดงผลการประมาณค่าสัมประสิทธิ์ในแบบจำลองฟังก์ชันการผลิตแบบ Cobb-Douglas สำหรับ
ปี 2544

. reg value_added capital labor if Industry_group==1,robust

Regression with robust standard errors

Number of obs = 1183
F(2, 1180) = 4610.31
Prob > F = 0.0000
R-squared = 0.8950
Root MSE = .34287

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	.3256374	.0187267	17.39	0.000	.288896	.3623788
labor	.7975095	.0268775	29.67	0.000	.7447765	.8502426
_cons	3.752055	.0938418	39.98	0.000	3.567939	3.93617

. reg value_added capital labor if Industry_group==2,robust

Regression with robust standard errors

Number of obs = 894
F(2, 891) = 3969.14
Prob > F = 0.0000
R-squared = 0.8907
Root MSE = .35073

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	.219552	.0131678	16.67	0.000	.1937084	.2453956
labor	.7943161	.0206384	38.49	0.000	.7538106	.8348216
_cons	6.170893	.0906244	68.09	0.000	5.993031	6.348755

. reg value_added capital labor if Industry_group==3,robust

Regression with robust standard errors

Number of obs = 995
F(2, 992) = 3967.69
Prob > F = 0.0000
R-squared = 0.8903
Root MSE = .35139

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	.3705893	.0187198	19.80	0.000	.3338544	.4073242
labor	.7015115	.0302244	23.21	0.000	.6422003	.7608226
_cons	4.121325	.1003941	41.05	0.000	3.924316	4.318334

แสดงผลการประมาณค่าสัมประสิทธิ์ในแบบจำลองฟังก์ชันการผลิตแบบ Translog production
สำหรับปี 2544

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. reg value_added capital labor capital_square labor_square capital_labor if
Industry_group==1,robust
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Regression with robust standard errors

Number of obs = 1183
F(5, 1177) = 2469.42
Prob > F = 0.0000
R-squared = 0.9077
Root MSE = .31948

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	-.6878879	.130729	-5.26	0.000	-.9443758	-.4313999
labor	1.60806	.2143135	7.50	0.000	1.187581	2.028539
capital^2	.0824355	.0171514	4.81	0.000	.0487847	.1160863
labor^2	-.10615	.0468294	-2.27	0.024	-.1980284	-.0142717
capital*labor	-.0538304	.0560763	-0.96	0.337	-.163851	.0561903
_cons	6.53557	.3052003	21.41	0.000	5.936773	7.134368

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. reg value_added capital labor capital_square labor_square capital_labor if
Industry_group==2,robust
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Regression with robust standard errors

Number of obs = 894
F(5, 888) = 1850.56
Prob > F = 0.0000
R-squared = 0.8944
Root MSE = .34452

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	-.3182329	.0995878	-3.20	0.001	-.5136878	-.122778
labor	1.337859	.1660039	8.06	0.000	1.012054	1.663665
capital^2	.058798	.0133169	4.42	0.000	.0326618	.0849342
labor^2	.0514425	.0370018	1.39	0.165	-.0211788	.1240637
capital*labor	-.1137178	.0421963	-2.69	0.007	-.1965339	-.0309017
_cons	7.901844	.3419513	23.11	0.000	7.230717	8.572971

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. reg value_added capital labor capital_square labor_square capital_labor if
Industry_group==3,robust
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Regression with robust standard errors

Number of obs = 995
F(5, 989) = 2040.89
Prob > F = 0.0000
R-squared = 0.9015
Root MSE = .33147

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	-.7531191	.1193367	-6.31	0.000	-.9873014	-.5189368
labor	1.818079	.213938	8.50	0.000	1.398255	2.237904
capital^2	.1082128	.0145757	7.42	0.000	.07961	.1368157
labor^2	.0744244	.0479459	1.55	0.121	-.0196631	.1685118
capital*labor	-.1971899	.0528383	-3.73	0.000	-.3008779	-.0935019
_cons	7.371671	.340931	21.62	0.000	6.70264	8.040702

แสดงผลการประมาณค่าสัมประสิทธิ์ในแบบจำลองฟังก์ชันการผลิตแบบ Cobb-Douglas สำหรับ
ปี 2545

. reg value_added capital labor if industry_group==1,robust

Regression with robust standard errors

Number of obs = 1193
F(2, 1190) = 4933.27
Prob > F = 0.0000
R-squared = 0.9094
Root MSE = .31587

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	.316549	.0171798	18.43	0.000	.2828429	.3502551
labor	.7964191	.0255786	31.14	0.000	.7462348	.8466033
_cons	3.776687	.0836299	45.16	0.000	3.612608	3.940765

. reg value_added capital labor if industry_group==2,robust

Regression with robust standard errors

Number of obs = 836
F(2, 833) = 3384.84
Prob > F = 0.0000
R-squared = 0.9038
Root MSE = .32659

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	.1978373	.012025	16.45	0.000	.1742345	.2214402
labor	.8239353	.0188129	43.80	0.000	.7870091	.8608615
_cons	6.183667	.0887966	69.64	0.000	6.009376	6.357959

. reg value_added capital labor if industry_group==3,robust

Regression with robust standard errors

Number of obs = 1022
F(2, 1019) = 4111.90
Prob > F = 0.0000
R-squared = 0.8949
Root MSE = .34307

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	.3759038	.0186929	20.11	0.000	.3392229	.4125847
labor	.6881116	.0307652	22.37	0.000	.6277411	.7484821
_cons	4.00332	.0944813	42.37	0.000	3.81792	4.18872

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สำหรับปี 2545

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. reg value_added capital labor capitalsqu laborsqu capital_labor if  
industry_group==1,robust
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Regression with robust standard errors

Number of obs = 1193
F(5, 1187) = 2636.32
Prob > F = 0.0000
R-squared = 0.9225
Root MSE = .29039

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	-.7815043	.1266469	-6.17	0.000	-1.029981	-.5330276
labor	1.72982	.2137724	8.09	0.000	1.310406	2.149234
capital^2	.098324	.0179393	5.48	0.000	.0631276	.1335203
labor^2	-.0405606	.0534242	-0.76	0.448	-.1453769	.0642557
capital*labor	-.1124867	.0608364	-1.85	0.065	-.2318456	.0068723
_cons	6.665867	.2735414	24.37	0.000	6.129189	7.202546

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. reg value_added capital labor capitalsqu laborsqu capital_labor if  
industry_group==2,robust
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Regression with robust standard errors

Number of obs = 836
F(5, 830) = 1742.69
Prob > F = 0.0000
R-squared = 0.9090
Root MSE = .31731

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	-.4066576	.085669	-4.75	0.000	-.574811	-.2385041
labor	1.304168	.1352757	9.64	0.000	1.038645	1.569691
capital^2	.0620127	.0097507	6.36	0.000	.0428737	.0811516
labor^2	.0400515	.0322908	1.24	0.215	-.0233297	.1034327
capital*labor	-.0987212	.029827	-3.31	0.001	-.1572663	-.0401761
_cons	8.274109	.3244393	25.50	0.000	7.637291	8.910927

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. reg value_added capital labor capitalsqu laborsqu capital_labor if  
industry_group==3,robust
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Regression with robust standard errors

Number of obs = 1022
F(5, 1016) = 2216.01
Prob > F = 0.0000
R-squared = 0.9088
Root MSE = .31754

value_added	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
capital	-.9159018	.1061544	-8.63	0.000	-1.124209	-.7075949
labor	2.033362	.1723002	11.80	0.000	1.695257	2.371467
capital^2	.1256608	.0124744	10.07	0.000	.1011822	.1501394
labor^2	.0691309	.0437922	1.58	0.115	-.0168027	.1550645
capital*labor	-.2270553	.0447695	-5.07	0.000	-.3149066	-.1392041
_cons	7.516014	.3203374	23.46	0.000	6.887415	8.144612