Table 1: Differences between Korea and China

in labor input between direct seeding and transplanting (workdays/0.16 acre)

Korea: no. of days		China: no. of days
Direct seeding	*Transplanting*	*Transplanting*
Preparing and seeding: 2.5—3	Preparing: 1.5	Preparing (human work): 2 (5)
Weeding: 8.5	Transplanting: 2	Transplanting: 1 (2)
Harvesting: ??	Weeding: 3	Weeding: 3
	Harvesting and threshing: 3	Harvesting and threshing: 3
Total: 11-11.5 days	18 days	9 (13) days

Sources: *Ilsŏngnok,* 16/12/1798; Li Bozhong, 1998 (1984): 83; Kim Yŏng-sŏp, 1994 (1964): 251; Ch'oe Yun-o (1992): 77; and Kim, Kŏn-t'ae, (1997): 121.

Table 2: Nominal and Converted Wages in Yŏng'am County, South Chŏlla Province

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
year	season	no. of meals	labourer type	wages				raw materials	work days	no. of workers			conversions			
				cash	wine	tobacco	food other than rice				net copper wage /day (E/J*K)	gross copper wage /day (E+F+G+H)/ (J*K)	net silver wage /day (grams)	gross silver wage /day (grams)	net rice wage /day (kg.)	gross rice wage /day (kg.)
1867'	Fall		bamboo mat maker	1.25	0.15	0.29	0.33	0.6	3	1	0.42	0.67	2.50	4.04	2.98	4.81
1877'	Fall	16'	bamboo mat maker	1.25	0.50				3	1	0.42	0.58	2.25	3.15	2.23	3.12
1885'	Fall		bamboo mat maker	1.30	0.45				3	1	0.43	0.58	2.73	3.68	2.26	3.04
1824'	Spring	20'	irrigation worker	2.00	0.35	0.35	0.54		1	4	0.50	0.81	4.90	7.94	7.42	12.03

Year	Season		Occupation														
1836'	Spring	5'	irrigation worker	0.40	0.23	0.50	0.08		1	2	0.20	0.61	1.96	5.93	2.97	8.98
1782'	Spring		blacksmith	0.19					1	1	0.19	0.19	1.86	1.86	2.82	2.82
1798'	Spring		blacksmith	0.35				0.52	1	1	0.35	0.35	3.61	3.61	5.81	5.81
1808'	Spring		blacksmith	0.50				1.25	1	1	0.50	0.50	5.45	5.45	11.35	11.35
1821'	Spring		blacksmith	0.20				0.30	1	1	0.20	0.20	1.96	1.96	5.44	5.44
1823'	Spring		blacksmith	0.20				0.30	1	1	0.20	0.20	1.96	1.96	4.90	4.90
1826'	Fall		blacksmith	0.73				1.00	2	1	0.37	0.37	3.58	3.58	9.94	9.94
1832'	Fall	1'	blacksmith	0.30					1	1	0.30	0.30	2.67	2.67	4.68	4.68
1833'	Spring		blacksmith	0.35				0.60	1	1	0.35	0.35	3.12	3.12	4.15	4.15
1840'	Spring		blacksmith	0.27					1	1	0.27	0.27	2.13	2.13	3.23	3.23
1830'	Fall	repair	blacksmith repairs	0.10				0.25	1	1	0.10	0.10	0.89	0.89	2.41	2.41
1836'	Spring	1'	blacksmith repairs	0.10					1	1	0.10	0.10	0.89	0.89	1.46	1.46
1820'	Fall	13'	building repairs	0.60	0.10	0.06			1	2	0.30	0.38	2.94	3.72	9.19	11.64
1821'	Fall	1'	building repairs	0.30	0.17	0.13			1	2	0.15	0.30	1.47	2.94	3.00	6.00
1824'	Spring	2'	building repairs	0.20	0.25	0.05			1	2	0.10	0.25	0.98	2.45	2.72	6.81
1825'	Spring	2'	building repairs	0.80					1	2	0.40	0.40	3.92	3.92	12.25	12.25
1835'	Fall	15'	building repairs	0.50		0.06	0.37		1	3	0.17	0.31	1.48	2.76	2.60	4.84
1782'	Spring		carpenter	0.50			0.07		2	1	0.25	0.29	2.45	2.79	3.71	4.23
1798'	Spring		carpenter	1.00		0.29	0.26	1.3	4	1	0.25	0.39	2.58	3.99	4.15	6.44
1823'	Fall	35'	carpenter	3.53	0.36	0.15		0.70	7	1	0.50	0.58	4.94	5.66	14.12	16.16
1824'	Spring	13'	carpenter	1.80	0.20			4.00	3	1	0.60	0.67	5.88	6.53	16.33	18.15
1826'	Fall	116'	carpenter	12.00		0.95	4.85	0.17	23	1	0.52	0.77	5.11	7.58	14.20	21.07
1833'	Spring	55'	carpenter	4.00	0.68	1.29	2.29		11	1	0.36	0.75	3.24	6.68	4.32	8.91
1836'	Spring	1'	carpenter	0.20		0.20		1.35	1	1	0.20	0.40	1.78	3.56	2.92	5.84
1857'	Spring		carpenter	0.15		0.10	0.07		1	1	0.15	0.32	1.07	2.27	2.54	5.41
1857'	Spring		carpenter	0.15	0.03	0.04			1	1	0.15	0.22	1.07	1.56	2.54	3.72
1863'	Spring		carpenter	3.90	1.52			2.5	12	1	0.33	0.45	1.95	2.71	2.75	3.82
1886'	Spring		carpenter	1.50					3	1	0.50	0.50	3.15	3.15	1.96	1.96
1824'	Spring		carpenter's assistant	0.40					3	1	0.13	0.13	1.31	1.31	3.63	3.63
1820'	Fall		porter	0.20					1	1	0.20	0.20	1.96	1.96	6.13	6.13
1826'	Fall		porter	0.08					1	1	0.08	0.08	0.78	0.78	2.18	2.18
1835'	Spring		porter	0.07					1	1	0.07	0.07	0.62	0.62	1.22	1.22

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Year	Season	Category	Occupation												
1837'	Fall		porter	0.20				1	1	0.20	0.20	1.78	1.78	3.49	3.49
1840'	Spring	67' ritual	porter	26.00		0.02	40.00	1	67	0.39	0.39	3.07	3.07	3.30	3.30
1854'	Fall	food	porter	0.20				1	1	0.20	0.20	1.42	1.42	3.94	3.94
1855'	Spring	tax ritual	porter	0.20				1	2	0.10	0.10	0.71	0.71	1.69	1.69
1855'	Fall	food ritual	porter	0.20				1	1	0.20	0.20	1.42	1.42	4.44	4.44
1855'	Fall	food ritual	porter	0.10				1	1	0.10	0.10	0.71	0.71	2.22	2.22
1856'	Fall	food	porter	0.20				1	1	0.20	0.20	1.42	1.42	3.64	3.64
1859'	Spring	tax	porter	0.05				1	1	0.05	0.05	0.36	0.36	0.39	0.39
1860'	Spring	tax	porter	0.05				1	1	0.10	0.10	0.60	0.60	1.43	1.43
1861'	Spring	tax	porter	0.05				1	1	0.05	0.05	0.30	0.30	0.44	0.44
1861'	Spring		porter	0.10				1	1	0.10	0.10	0.60	0.60	0.88	0.88
1862'	Spring	tax	porter	0.08				1	1	0.08	0.08	0.48	0.48	0.67	0.67
1863'	Spring	tax	porter	0.08				1	1	0.08	0.08	0.48	0.48	0.68	0.68
1863'	Spring	tax	porter	0.08				1	1	0.08	0.08	0.48	0.48	0.68	0.68
1863'	Fall		porter	0.20				1	1	0.20	0.20	1.20	1.20	1.50	1.50
1864'	Spring	tax	porter	0.08				1	1	0.08	0.08	0.48	0.48	0.52	0.52
1865'	Spring	tax	porter	0.08				1	1	0.08	0.08	0.48	0.48	0.59	0.59
1866'	Spring	tax	porter	0.08				1	1	0.08	0.08	0.48	0.48	0.45	0.45
1867'	Spring	tax	porter	0.11				1	1	0.11	0.11	0.66	0.66	0.77	0.77
1868'	Spring	tax	porter	0.08				1	1	0.08	0.08	0.48	0.48	0.53	0.53
1872'	Spring	tax	porter	0.10				1	1	0.10	0.10	0.54	0.54	0.43	0.43
1874'	Spring	tax	porter	0.10				1	1	0.10	0.10	0.54	0.54	0.50	0.50
1875'	Spring	tax	porter	0.10				1	1	0.10	0.10	0.54	0.54	0.62	0.62
1876'	Spring	tax ritual	porter	0.10				1	1	0.10	0.10	0.54	0.54	0.63	0.63
1877'	Spring	food	porter	0.20				1	1	0.20	0.20	1.08	1.08	0.46	0.46
1885'	Spring	tax	porter	0.15				1	1	0.15	0.15	0.95	0.95	0.65	0.65
1892'	Fall		porter	0.60				1	3	0.20	0.20	1.50	1.50	1.12	1.12
1896'	Fall		porter	0.20				1	1	0.20	0.20	1.50	1.50	0.99	0.99
1782'	Spring		construction labour	0.34	0.05		0.10	1	1	0.34	0.49	3.33	4.80	5.05	7.28
1827'	Spring	5'	construction labour	1.60		0.10		1	5	0.32	0.34	3.14	3.33	10.45	11.11
1826'	Fall	57'	construction assistant	1.00			0.95	1	11	0.09	0.18	0.89	1.74	2.47	4.83
1839'	Spring		construction assistant	0.20		0.18		1	2	0.10	0.19	0.89	1.69	1.07	2.04

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Year	Season	Note	Type														
1787'	Spring		day labourer	11.90	0.13		0.8		1	119	0.10	0.11	0.98	1.06	0.96	1.04
1791'	Spring		day labourer	0.50	0.1		0.1		1	5	0.10	0.14	1.03	1.44	2.45	3.43
1791'	Spring		day labourer	1.40			0.14		1	10	0.14	0.15	1.44	1.59	3.43	3.78
1791'	Spring		day labourer	1.50			0.15		1	15	0.10	0.11	1.03	1.13	2.45	2.70
1796'	Spring		day labourer	4.00			0.4		4	10	0.10	0.11	1.03	1.13	1.51	1.67
1798'	Spring		day labourer	2.00			0.23		2	10	0.10	0.11	1.03	1.15	1.66	1.85
1799'	Spring		day labourer	2.00			0.2		1	20	0.10	0.11	1.03	1.13	1.34	1.47
1800'	Spring		day labourer	1.60			0.35		1	15	0.11	0.13	1.16	1.42	2.42	2.95
1801'	Spring		day labourer	1.60			0.38		1	17	0.09	0.12	1.03	1.27	2.18	2.70
1803'	Spring		day labourer	1.50					1	15	0.10	0.10	1.09	1.09	2.22	2.22
1805'	Spring		day labourer	1.90					1	19	0.10	0.10	1.09	1.09	2.06	2.06
1809'	Spring		day labourer	2.30					1	23	0.10	0.10	1.09	1.09	2.27	2.27
1816'	Spring		day labourer	0.10					1	1	0.10	0.10	0.98	0.98	2.00	2.00
1819'	Fall		day labourer	0.20					1	2	0.10	0.10	0.98	0.98	3.27	3.27
1821'	Fall		day labourer	0.20					1	2	0.10	0.10	0.98	0.98	2.00	2.00
1824'	Spring		day labourer	1.10		0.25	0.03		1	8	0.14	0.17	1.35	1.69	3.74	4.70
1824'	Spring		day labourer	0.10					1	1	0.10	0.10	0.98	0.98	2.72	2.72
1826'	Fall	65'	day labourer	2.95		0.85	0.75		1	26	0.11	0.18	1.11	1.72	3.09	4.76
1827'	Fall		day labourer	0.20					1	2	0.10	0.10	0.98	0.98	2.72	2.72
1827'	Fall	audit	day labourer	0.20					2	2	0.05	0.05	0.49	0.49	1.29	1.29
1828'	Spring		day labourer	0.10		0.10	0.03		1	1	0.10	0.23	0.98	2.25	2.23	5.12
1829'	Fall		day labourer	0.10					1	1	0.10	0.10	0.98	0.98	2.23	2.23
1830'	Fall		day labourer	0.10					1	1	0.10	0.10	0.89	0.89	2.41	2.41

Year	Season		Occupation														
1839'	Spring		day labourer	0.10					1	1	0.10	0.10	0.89	0.89	1.07	1.07
1839'	Fall		day labourer	0.20		0.20			1	2	0.10	0.20	0.89	1.78	1.37	2.74
1839'	Spring		day labourer	0.50	0.19	0.25	0.10		1	5	0.10	0.21	0.89	1.85	1.07	2.23
1840'	Spring		day labourer	0.10		0.07			1	1	0.10	0.17	0.79	1.34	0.85	1.44
1840'	Fall		day labourer	0.10					1	1	0.10	0.10	0.79	0.79	1.61	1.61
1852'	Fall		day labourer	0.10					1	1	0.10	0.10	0.71	0.71	1.11	1.11
1853'	Fall		day labourer	0.10					1	1	0.10	0.10	0.71	0.71	1.03	1.03
1854'	Spring		day labourer	0.69					1	7	0.10	0.10	0.70	0.70		
1854'	Fall		day labourer	0.10					1	1	0.10	0.10	0.71	0.71	1.97	1.97
1856'	Spring		day labourer	0.20					1	2	0.10	0.10	0.71	0.71	2.09	2.09
1862'	Fall		day labourer	0.20					1	2	0.10	0.10	0.60	0.60	0.86	0.86
1869'	Fall		day labourer	0.25					1	2	0.13	0.13	0.75	0.75	0.69	0.69
1870'	Spring		day labourer	0.10					1	1	0.10	0.10	0.54	0.54	0.44	0.44
1871'	Spring		day labourer	1.00					1	10	0.10	0.10	0.54	0.54		
1871'	Fall		day labourer	0.10					1	1	0.10	0.10	0.54	0.54	0.47	0.47
1879'	Fall	harvest	day labourer	0.10					1	1	0.10	0.10	0.54	0.54	1.04	1.04
1819'	Fall		errand boy	0.25					1	5	0.05	0.05	0.49	0.49	1.63	1.63
1822'	Fall		errand boy	0.08					1	1	0.08	0.08	0.78	0.78	1.91	1.91
1823'	Fall		errand boy	0.17					1	?						
1829'	Spring		errand boy	0.10					1	1	0.10	0.10	0.98	0.98	1.58	1.58
1825'	Spring		errand boy	0.05					1	1	0.05	0.05	0.49	0.49	1.53	1.53
1819'	Fall		horse rent	0.40					1	1	0.40	0.40	3.92	3.92	13.07	13.07
1820'	Spring		horse rent	0.40					1	1	0.40	0.40	3.92	3.92	11.88	11.88
1820'	Fall		horse rent	0.40					1	1	0.40	0.40	3.92	3.92	11.88	11.88
1820'	Fall		horse rent	0.40					1	1	0.40	0.40	3.92	3.92	11.88	11.88
1821'	Fall		horse rent	0.40					1	1	0.40	0.40	3.92	3.92	8.00	8.00
1822'	Spring		horse rent	0.40					1	1	0.40	0.40	3.92	3.92	7.54	7.54

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Year	Season	Item											
1822'	Fall	horse rent	0.40			1	1	0.40	0.40	3.92	3.92	9.56	9.56
1823'	Spring	horse rent	0.40			1	1	0.40	0.40	3.92	3.92	9.80	9.80
1823'	Fall	horse rent	0.40			1	1	0.40	0.40	3.92	3.92	11.20	11.20
1825'	Spring	horse rent	0.40			1	1	0.40	0.40	3.92	3.92	12.25	12.25
1826'	Fall	horse rent	0.40			1	1	0.40	0.40	3.92	3.92	10.89	10.89
1827'	Fall	horse rent	0.40			1	1	0.40	0.40	3.92	3.92	10.32	10.32
1828'	Fall	horse rent	0.40			1	1	0.40	0.40	3.92	3.92	8.52	8.52
1831'	Spring	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	8.48	8.48
1831'	Fall	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	8.68	8.68
1832'	Fall	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	6.25	6.25
1833'	Spring	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	4.75	4.75
1833'	Fall	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	4.19	4.19
1833'	Fall	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	4.19	4.19
1834'	Spring	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	3.52	3.52
1834'	Fall	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	7.12	7.12
1834'	Fall	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	7.12	7.12
1835'	Fall	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	6.25	6.25
1836'	Spring	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	5.84	5.84
1836'	Fall	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	4.62	4.62
1837'	Spring	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	3.91	3.91
1837'	Fall	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	6.98	6.98
1838'	Spring	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	5.74	5.74
1838'	Fall	horse rent	0.40			1	1	0.40	0.40	3.56	3.56	5.16	5.16
1840'	Spring	horse rent	0.40			1	1	0.40	0.40	3.16	3.16	3.40	3.40
1853'	Fall	horse rent	0.40			1	1	0.40	0.40	2.84	2.84	6.60	6.60
1856'	Fall	horse rent	0.40			1	1	0.40	0.40	2.84	2.84	7.28	7.28
1857'	Fall	horse rent	0.40			1	1	0.40	0.40	2.84	2.84	4.66	4.66
1859'	Fall	horse rent	0.40			1	1	0.40	0.40	2.84	2.84	8.11	8.11
1862'	Spring	horse rent	0.40			1	1	0.40	0.40	2.40	2.40	3.33	3.33
1862'	Fall	horse rent	0.60			1	1	0.60	0.60	3.60	3.60	5.14	5.14
1863'	Fall	horse rent	0.60			1	1	0.60	0.60	3.60	3.60	4.50	4.50
1865'	Fall	horse rent	0.60			1	1	0.60	0.60	3.60	3.60	3.79	3.79
1867'	Spring	horse rent	0.60			1	1	0.60	0.60	3.60	3.60	4.19	4.19
1834'	Fall	horse attendant	0.20			1	1	0.20	0.20	1.78	1.78	3.56	3.56
1835'	Fall	horse attendant	0.25			1	1	0.25	0.25	2.23	2.23	3.90	3.90
1836'	Fall	horse	0.18			1	1	0.18	0.18	1.60	1.60	2.08	2.08

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Year	Season		Occupation													
1838'	Fall		horse attendant	0.15					1	1	0.15	0.15	1.34	1.34	1.93	1.93
1853'	Fall		horse attendant	0.20					1	1	0.20	0.20	1.42	1.42	3.30	3.30
1856'	Fall		horse attendant	0.20			0.08		1	1	0.20	0.28	1.42	1.99	4.18	5.85
1857'	Fall		horse attendant	0.20					1	1	0.20	0.20	1.42	1.42	2.33	2.33
1808'	Spring		mason	41.00	0.1	0.13	0.9		1	77	0.53	0.55	5.80	5.96	12.09	12.42
1826'	Fall	8'	plasterer	1.60	0.10				1	8	0.20	0.21	1.96	2.08	5.44	5.78
1827'	Spring	8'	plasterer	0.60		0.40			1	2	0.30	0.50	2.94	4.90	9.80	16.33
1833'	Spring		plasterer	0.30		0.40			1	1	0.30	0.70	2.67	6.23	3.56	8.31
1870'	Spring		plasterer	0.25					1	1	0.25	0.25	1.35	1.35	1.10	1.10
1826'	Fall	5'	plasterer's assistant	0.60	0.40				1	5	0.12	0.20	1.18	1.96	3.27	5.44
1870'	Fall		plasterer's assistant	0.10					1	1	0.10	0.10	0.54	0.54	0.40	0.40
1860'	Fall	ritual food	servant	0.10					1	1	0.10	0.10	0.60	0.60	1.13	1.13
1861'	Fall	ritual food	servant	0.20					1	2	0.10	0.10	0.60	0.60	0.90	0.90
1863'	Fall	ritual food	servant	0.18			0.10		1	2	0.09	0.14	0.54	0.84	0.68	1.05
1864'	Fall	ritual food	servant	0.60					1	2	0.30	0.30	1.80	1.80	2.95	2.95
1867'	Fall	ritual food	servant	0.30					1	3	0.10	0.10	0.60	0.60	0.71	0.71
1868'	Fall	ritual food	servant	0.20					1	2	0.10	0.10	0.60	0.60	0.74	0.74
1825'	Fall	8'	hypocaust labourer	0.30		0.08	0.50		1	1	0.30	0.88	2.94	8.62	8.17	23.96
1826'	Fall		hypocaust labourer	0.50					1	1	0.50	0.50	4.90	4.90	13.61	13.61
1827'	Fall	6'	hypocaust labourer	1.00					2	1	0.50	0.50	4.90	4.90	12.89	12.89
1851'	Fall		hypocaust labourer	0.25	0.1	0.13	0.03		1	1	0.25	0.51	1.78	3.62	2.91	5.94
1854'	Spring		hypocaust labourer	0.68												
1858'	Spring		hypocaust labourer	0.57					1	1	0.57	0.57	4.05	4.05	6.04	6.04
1862'	Fall	10'	hypocaust labourer	1.80					3	1	0.60	0.60	3.60	3.60	5.14	5.14

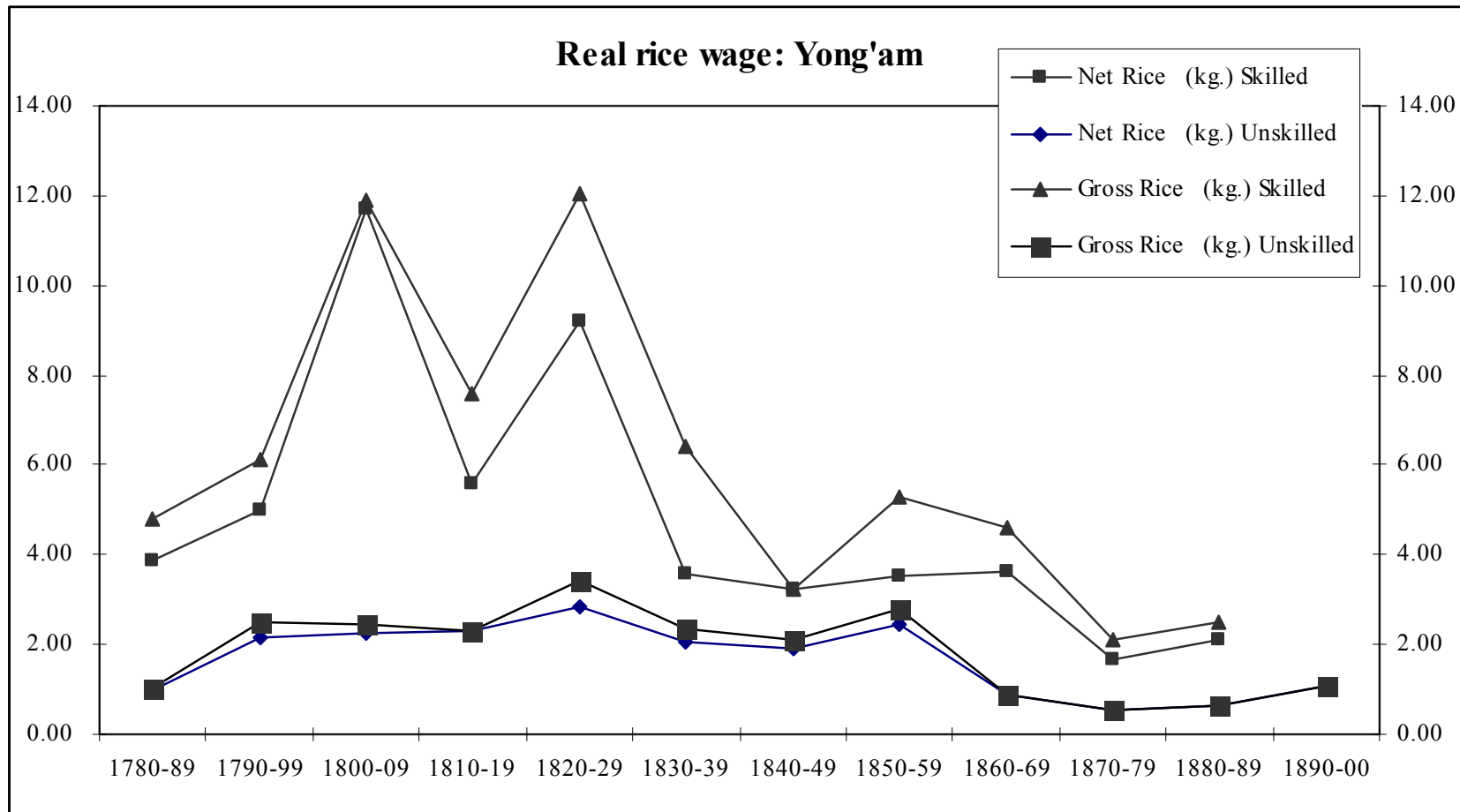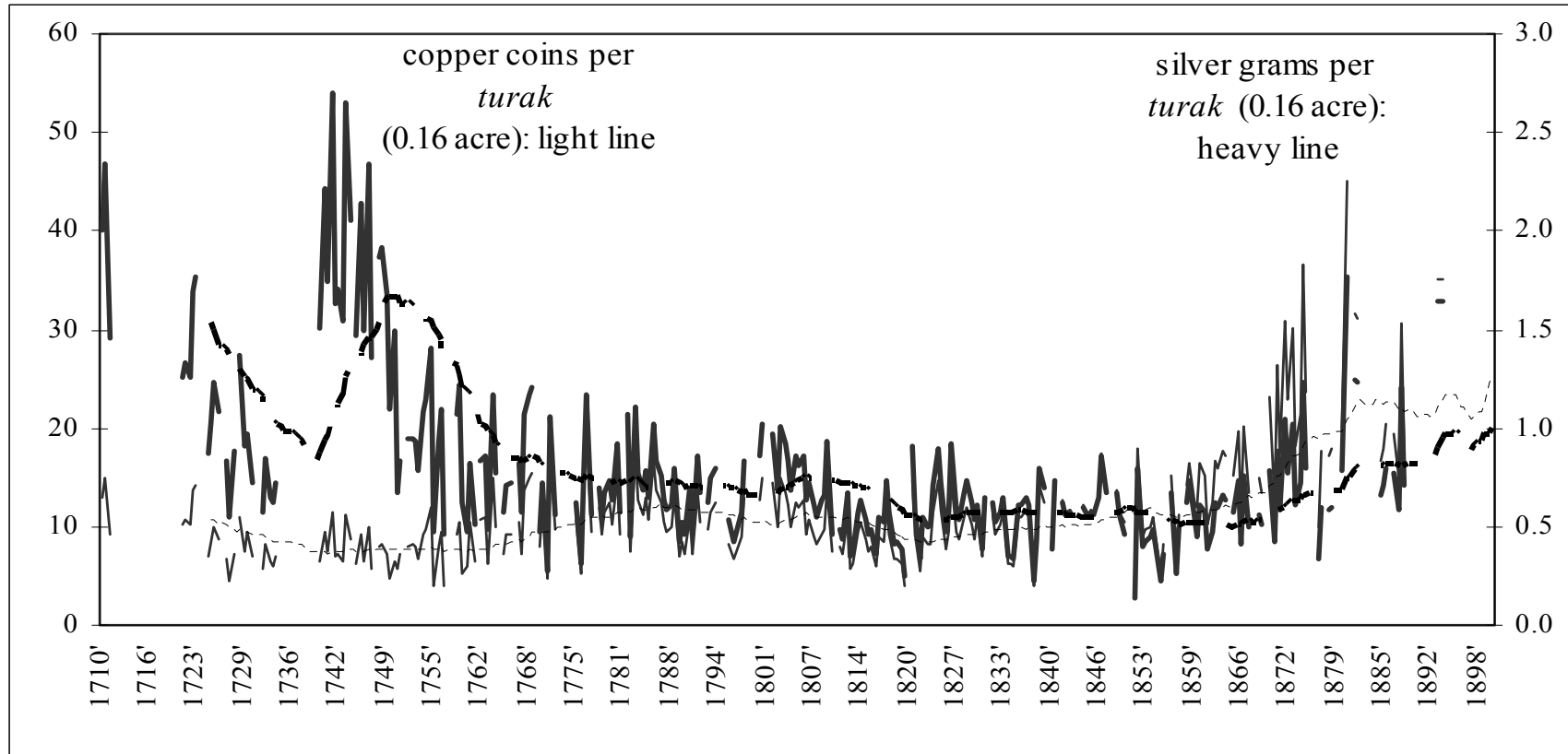| Year	Season	('')	Occupation														
1869'	Fall		hypocaust labourer	1.24													
1827'	Fall	9'	hypocaust assistant	0.60					3	1	0.20	0.20	1.96	1.96	5.16	5.16
1851'	Fall		hypocaust assistant	0.25	0.1	0.13	0.03		1	1	0.25	0.51	1.78	3.62	3.41	6.96
1852'	Spring		hypocaust assistant	0.15					1	1	0.15	0.15	1.07	1.07	1.61	1.61
1858'	Spring	10'	hypocaust assistant	0.58					2	1	0.29	0.29	2.06	2.06	3.07	3.07
1862'	Fall	7'	hypocaust assistant	0.63					1	7	0.09	0.09	0.54	0.54	0.77	0.77
1814'	Spring	12'	wooden vessel maker	0.50	0.15	0.10			3	1	0.17	0.25	1.63	2.45	2.18	3.27
1819'	Spring	20'	wooden vessel maker	1.10		0.16	0.20		4	1	0.28	0.37	2.70	3.58	8.98	11.92
1824'	Spring	10'	wooden mortar maker	0.40	0.05	0.05	0.11		2	1	0.20	0.31	1.96	2.99	5.44	8.30
1831'	Fall	21'	wooden vessel maker	0.65	0.05	0.10	0.25	0.28	4	1	0.16	0.26	1.45	2.34	3.53	5.70

Source: Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Han'guk chŏngsin munhwa yŏn'guwŏn, 1995.

NB: copper was converted to silver according to the bi-metallic ratios, 1650-1900. See Appendix A.

Figure 1: Rice Prices in Copper Coins and Silver Grams (1713-1900)
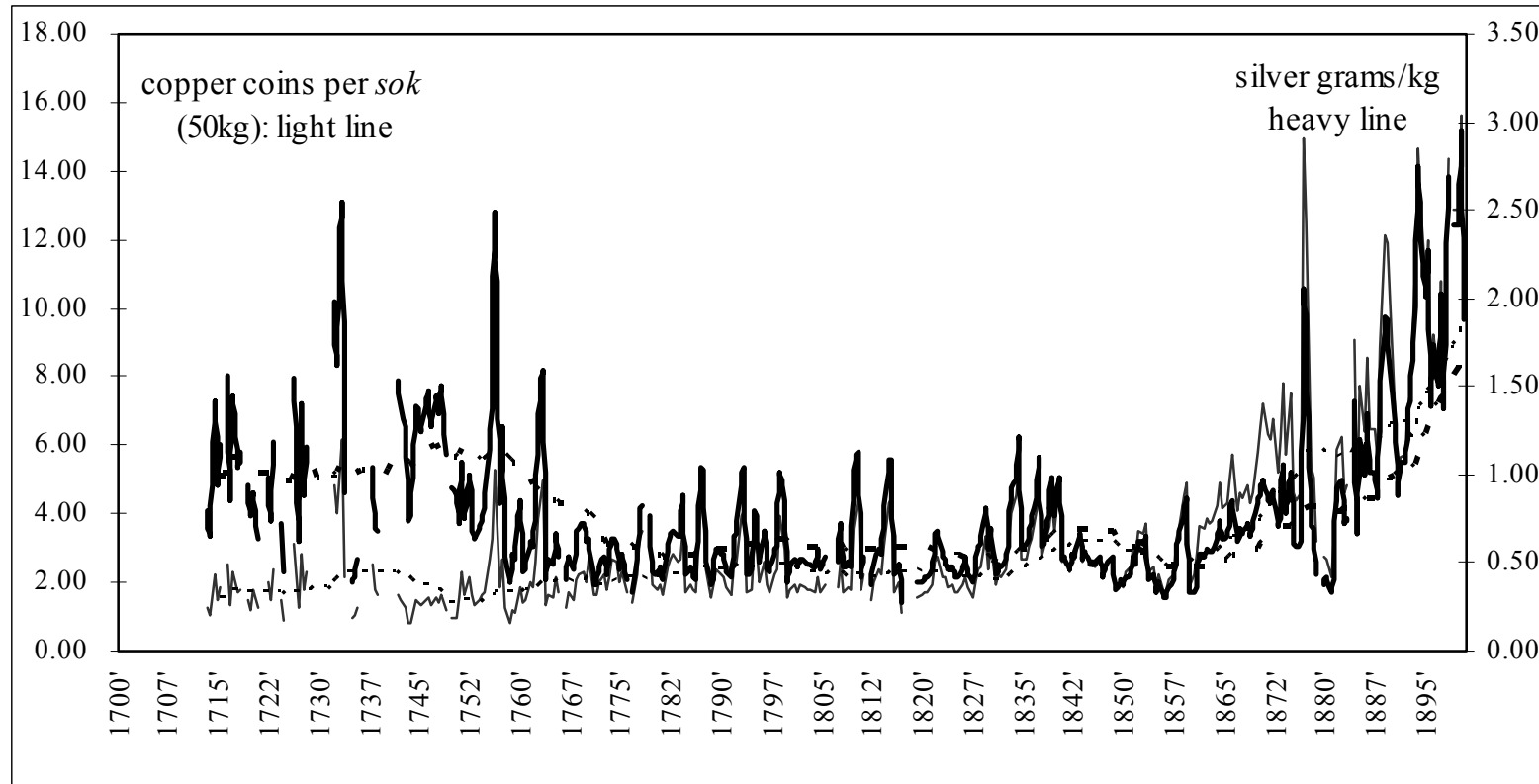
copper coins per *sok* (50kg): light line

silver grams/kg heavy line

Sources: For Yŏng'am (靈岩) (South Chŏlla): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22 (Collection of documents, vol. 21 and 22), Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn, 1995. For Haenam (海南) (South Chŏlla): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., microfilm, reel no. 35-003205-003216. For Changhŭng (長興) (South Chŏlla): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., microfilm, reel no. 006904. For Kosŏng (固城) (South Kyŏngsang): *Sŭngch'ong myŏngnok* (勝聰明錄). For Kyŏngju (慶州) (North Kyŏngsang): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., microfilm, reel no. 009574-009579. For Taegu (大邱) (North Kyŏngsang): *Taegu Tanyang U-ssi komunsŏ*.

Table 3:   A comparison of skilled and unskilled labour over time in Yŏng'am County, South Chŏlla Province

	Net Copper (yang.chŏn.pun)		Gross Copper (yang.chŏn.pun)		Net Silver (grams)		Gross Silver (grams)		Net Rice (kg.)		Gross Rice (kg.)	
	Skilled	Unskilled	Skilled	Unskilled	Skilled	Unskilled	Skilled	Unskilled	Skilled	Unskilled	Skilled	Unskilled
1780-89	0.26	0.10	0.32	0.11	2.55	0.98	3.15	1.06	3.86	0.96	4.78	1.04
1790-99	0.30	0.11	0.37	0.12	3.09	1.10	3.80	1.26	4.98	2.14	6.13	2.48
1800-09	0.52	0.10	0.52	0.11	5.63	1.09	5.71	1.19	11.72	2.23	11.89	2.44
1810-19	0.22	0.08	0.31	0.08	2.16	0.82	3.01	0.82	5.58	2.30	7.60	2.30
1820-29	0.34	0.11	0.45	0.13	3.35	1.07	4.44	1.30	9.19	2.82	12.02	3.41
1830-39	0.26	0.13	0.46	0.16	2.30	1.20	4.16	1.40	3.59	2.08	6.43	2.35
1840-49	0.27	0.20	0.27	0.22	2.13	1.55	2.13	1.73	3.23	1.92	3.23	2.12
1850-59	0.28	0.16	0.41	0.18	1.99	1.10	2.88	1.24	3.51	2.47	5.28	2.78
1860-69	0.45	0.11	0.58	0.11	2.68	0.64	3.45	0.65	3.62	0.88	4.59	0.90
1870-79	0.33	0.11	0.42	0.11	1.80	0.59	2.25	0.59	1.66	0.54	2.11	0.54
1880-89	0.47	0.15	0.54	0.15	2.94	0.95	3.41	0.95	2.11	0.65	2.50	0.65
1890-00		0.20		0.20		1.50		1.50		1.06		1.06

Source: Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn, 1995.

Figure 2a: A comparison of skilled and unskilled labour over time
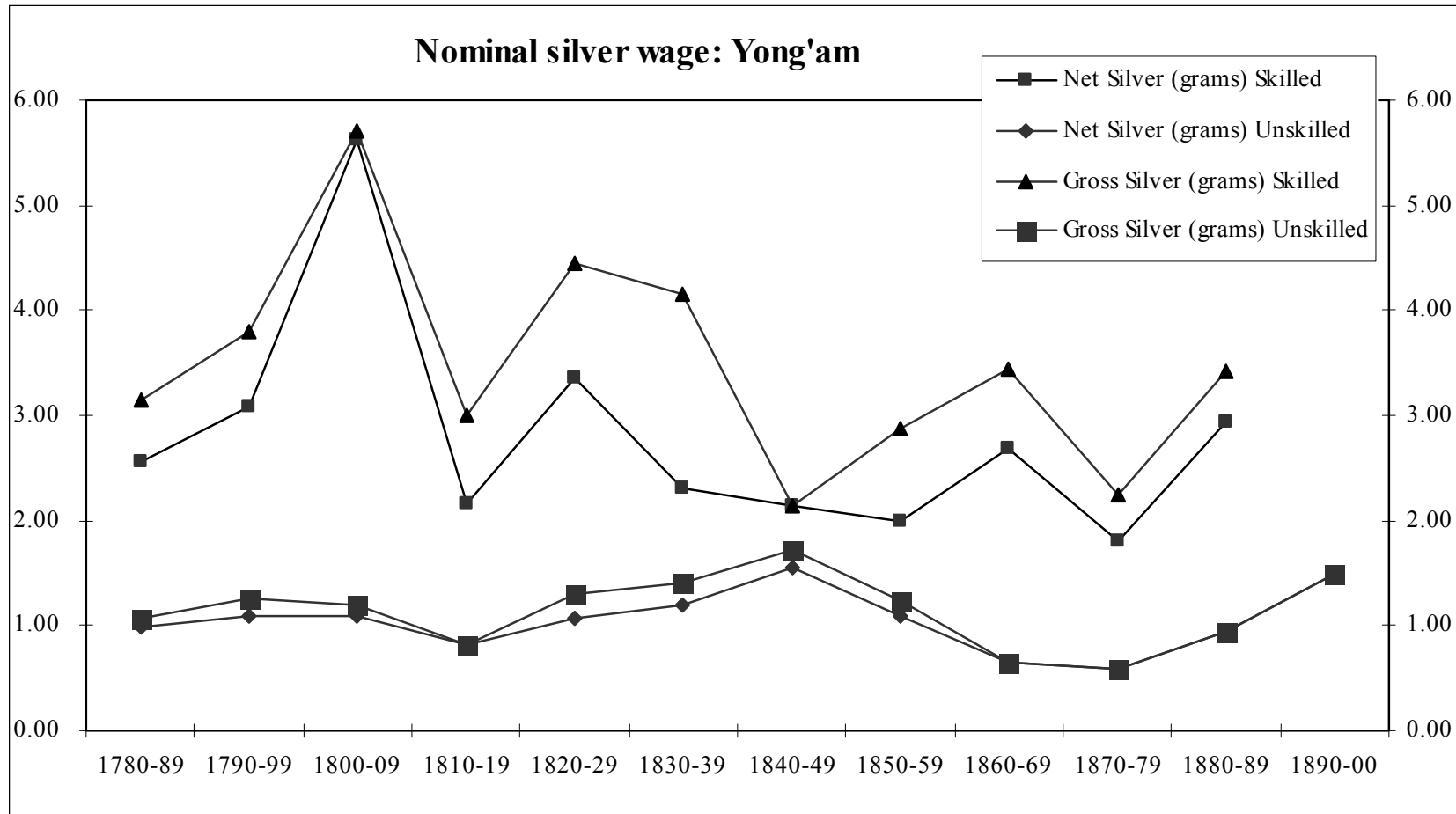
Source: Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn, 1995.
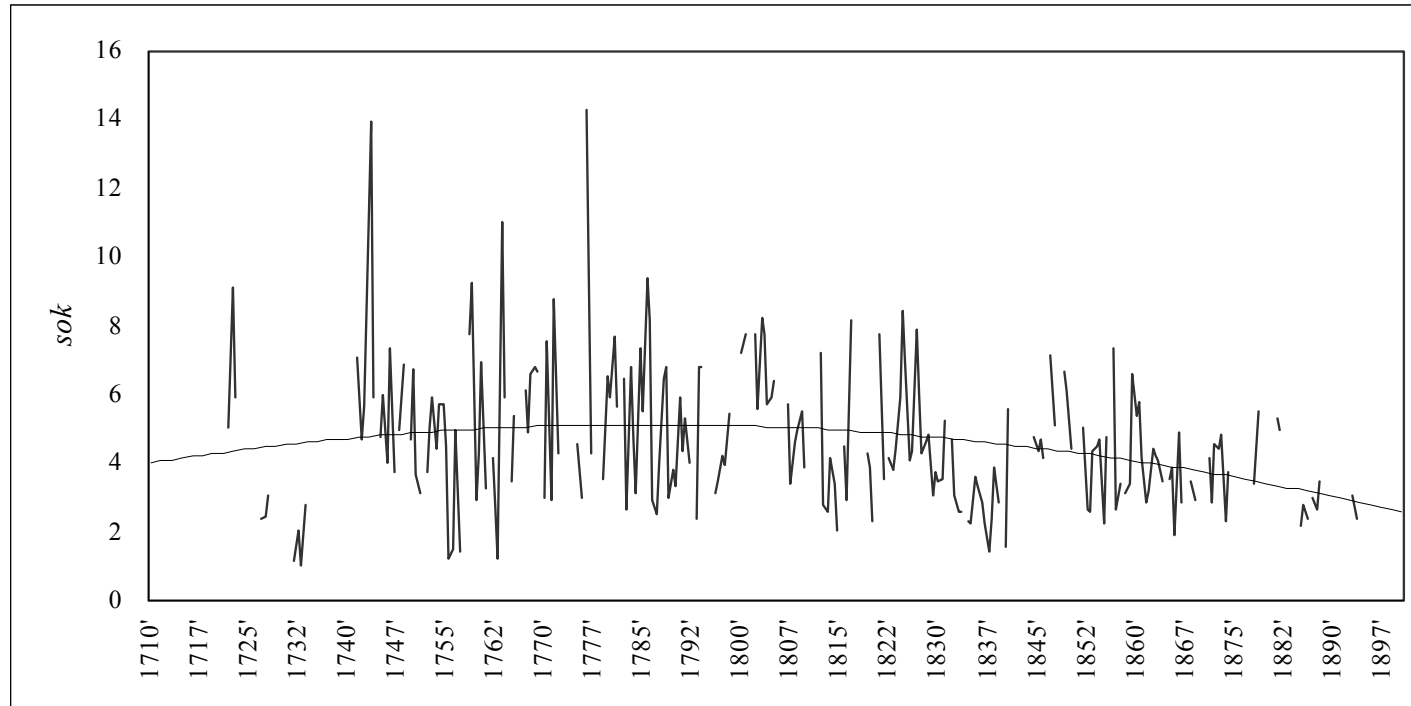
Figure 2b: A comparison of skilled and unskilled labour over time

Real rice wage: Yong'am

Legend:
- Net Rice   (kg.) Skilled
- Net Rice   (kg.) Unskilled
- Gross Rice   (kg.) Skilled
- Gross Rice   (kg.) Unskilled

Source: Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn, 1995.

Figure 3: Average Nominal Price of Paddy Land (0.16 acre or one *turak*) in copper and silver

Sources: For Yŏnggwang (靈光) (South Chŏlla): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., microfilm, reel no. 008064-1, land 009638. For Yŏng'am (靈岩) (South Chŏlla): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn, 1995. For Kuye (求禮) (South Chŏlla) Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn, 1995 and Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., microfilm, reel no. 35-005090-005102 and reel no 35-005179-005188. For Sangju (尙州) (North Kyŏngsang): Sŏnggyungwan University Museum manuscript collection. For Kyŏngju (慶州) (North Kyŏngsang): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., microfilm, reel no. 009574-009579.
NB: trendline is 31-year moving average.

Figure 4: Real Price of Paddy Land

sŏk **(unhusked rice 50kg) / 0.16 acre (*turak*)**

Sources: For Yŏnggwang (靈光) (South Chŏlla): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., microfilm, reel no. 008064-1, land 009638. For Yŏng'am (靈岩)
(South Chŏlla): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn, 1995. For
Kuye (求禮) (South Chŏlla) Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn,
1995 and Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., microfilm, reel no. 35-005090-005102 and reel no 35-005179-005188. For Sangju (尙州) (North
Kyŏngsang): Sŏnggyungwan University Museum manuscript collection. For Kyŏngju (慶州) (North Kyŏngsang): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed.,
microfilm, reel no. 009574-009579.
NB: trendline is polynomial 2. Equation is: $y = -5E-05x^2 + 0.0148x + 4$ / $R^2 = 0.058$.

Figure 5: The number of irrigation facilities in the three southern provinces (1470-1900)
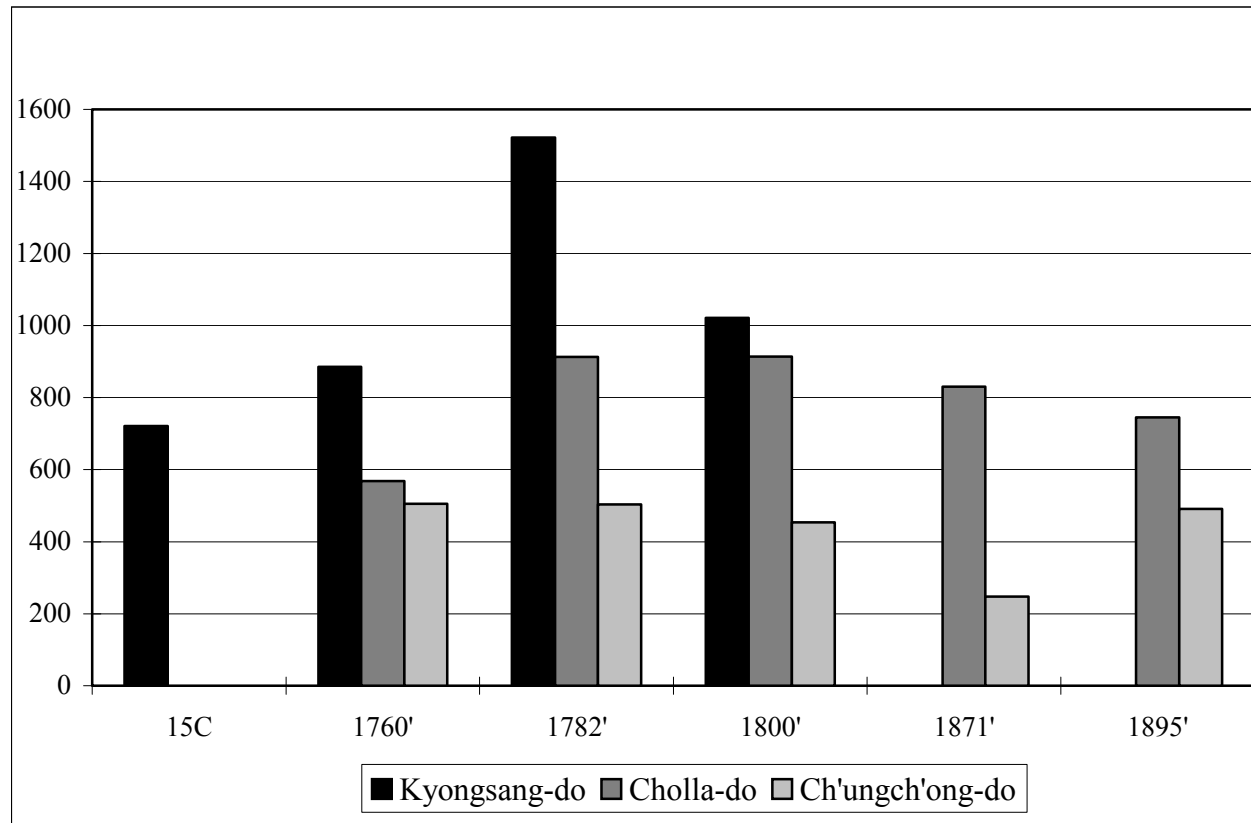
Sources: Kyŏngsang-do chiriji (慶尚道地理志) (1425?). In 韓國學文獻研究所 (Hanguk-hak munhŏn yŏn`guso), ed. 全國地理志 (Chŏnguk chiriji). 서울: 亞細亞文化社 (Seoul: Asea munhwasa), 1983, pp. 99-291; Yŏji tosŏ (輿地圖書) (1765). In 韓國敎會研究所 (Hanguk Kyohoe Yŏn`guso). Photolithographic reprint in 國史編纂委員會編纂發行 (Kuksa P`yŏnch`an Wiwŏnhoe), ed. 서울: 探求堂 (Seoul: T`amgudang), 1973; Chŭngbo munhŏn pigo (增補文獻備考) (ca. 1907). Hong Ponghan (洪鳳漢) et al., ed. 서울: 明文堂 (Seoul: Myŏngmundang, 1977); Man'gi yoram (萬機要覽) in two volumes (1808). 沈象圭 (Sim Sang-kyu) and 徐榮輔 (Sŏ Yŏng-bo) ed. 서울: 景仁文化社 (Seoul: Kyŏngin Munhwasa), 1972; Ŭpchi (邑誌) (1871). In 奎章閣 (Kyujanggak), cat. no. 12173; Ŭpchi (邑誌) (1895). In 奎章閣 (Kyujanggak), cat. no. 12174.
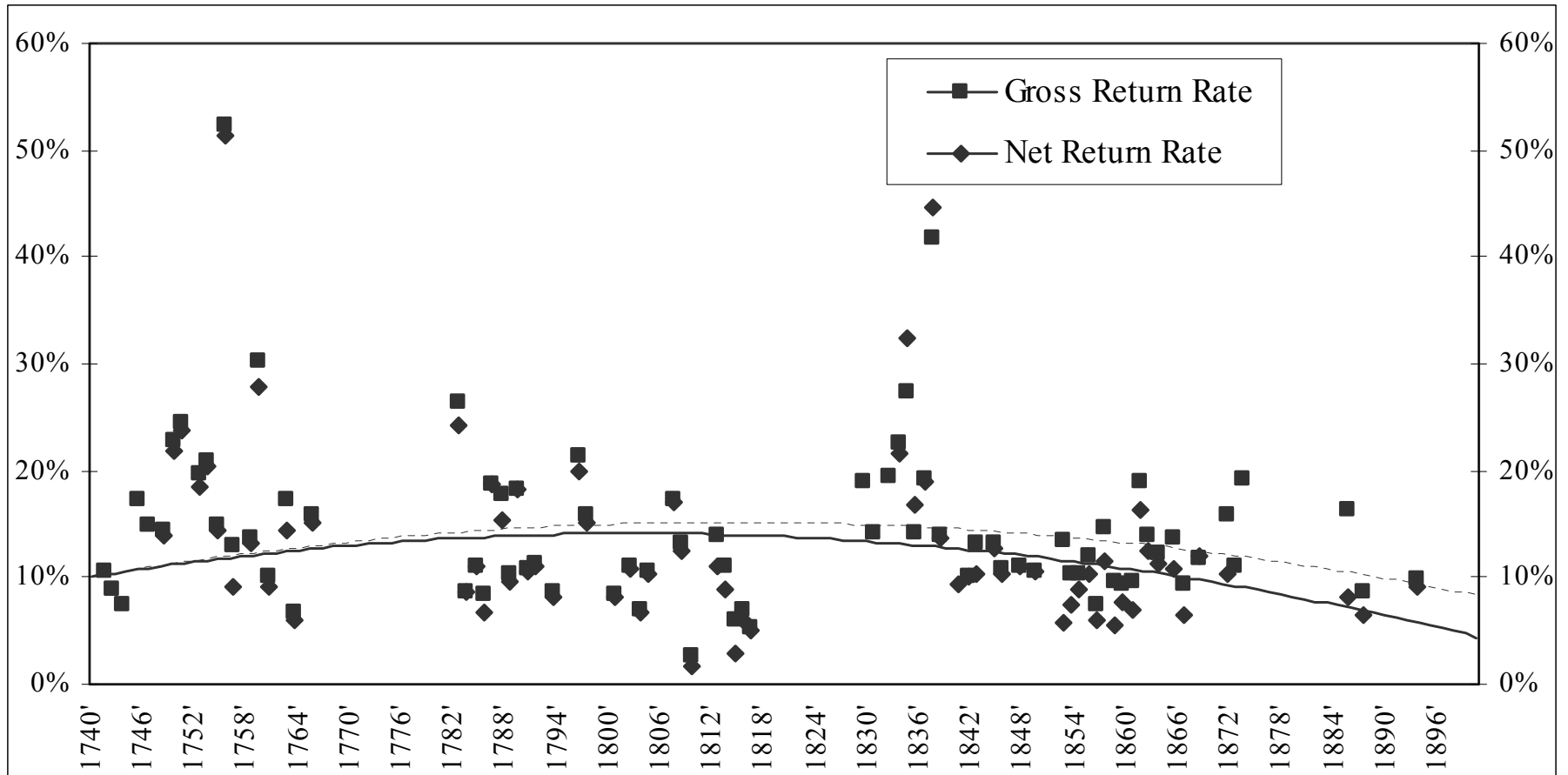
Figure 6: Land Rent in *tu* (2.5 kg.) per *turak* (0.16 acre) (1740-1900)
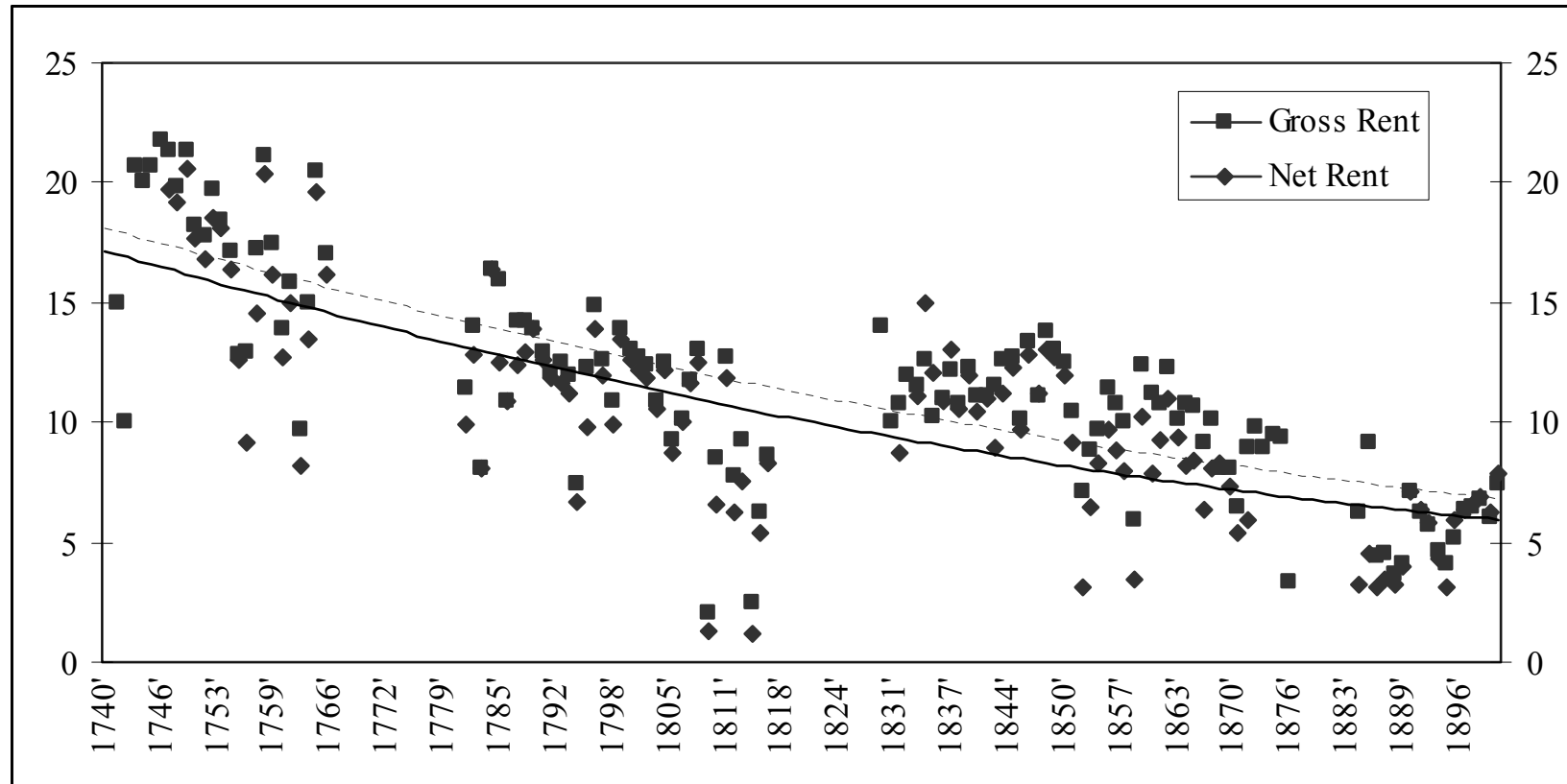
Sources: For Yŏng'am (靈岩) (South Chŏlla): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn, 1995. For Changhŭng (長興): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., microfilm, reel no. 006904.
NB: The trendline for Gross Land Rent is a polynomial 2 line and dotted. The trendline for Net Land Rent is also a polynomial 2 line and solid.
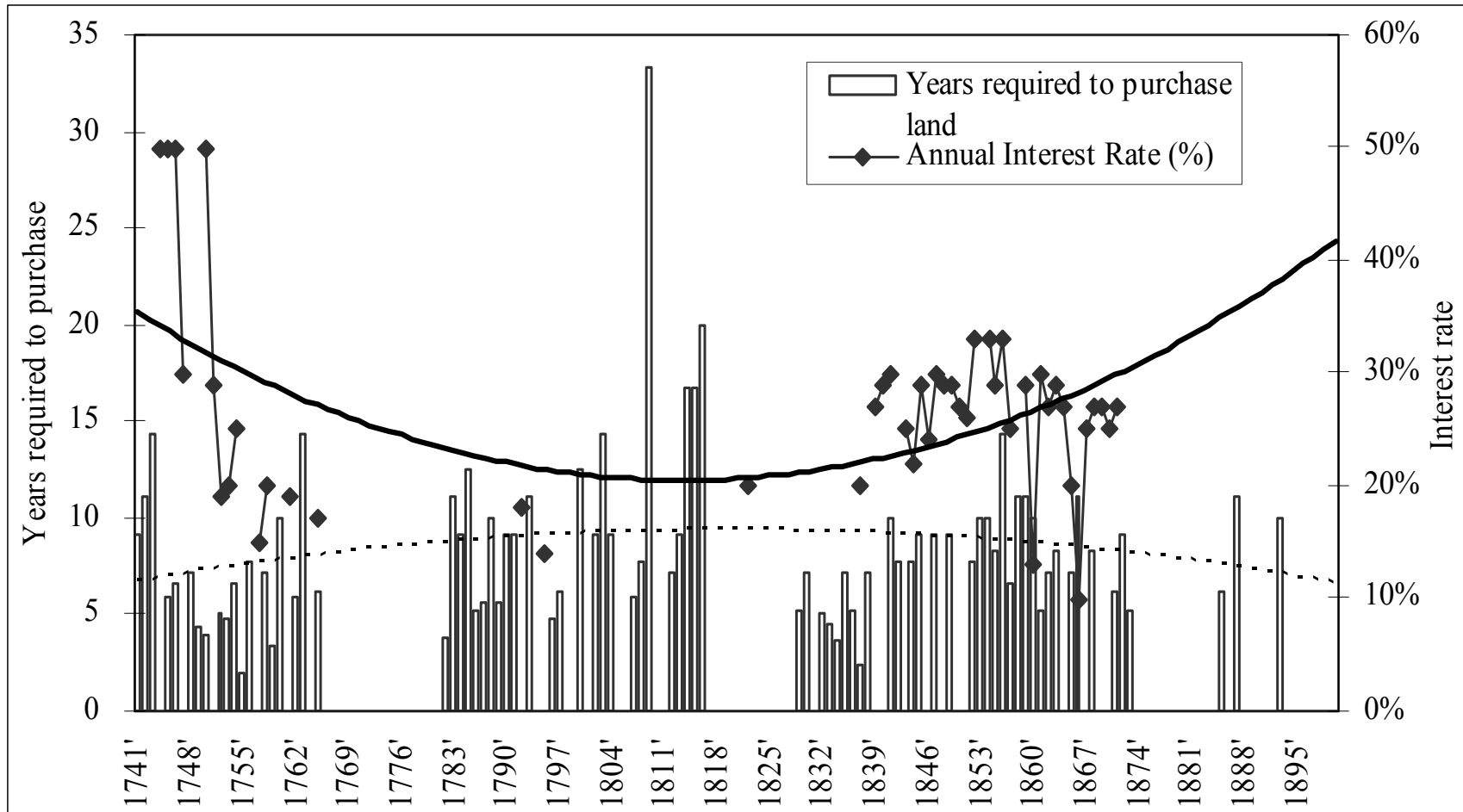
Figure 7: Return Rate to Paddy Land

Sources: For Yŏng'am (靈岩) (South Chŏlla): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn, 1995. For Changhŭng (長興): Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., microfilm, reel no. 006904.

NB: The trendline for Gross Return Rate is a polynomial 2 line and is dotted. The trendline for Net Return Rate is also polynomial 2 line and is solid. The starting point for both trendlines is 10% (official government fair trade rate) and the equation is: $y = -3E\text{-}06x2 + 0.0006x + 0.1/R2 = -0.0237$.

Figure 8: Interest rates and the number of years required to save enough to purchase land, 1741-1900

Sources: Han'guk Chŏngsin Munhwa Yŏn'guwŏn, ed., *Komunsŏ chipsŏng*, vol. 21 and 22, Sŏngnam: Hanguk chŏngsin munhwa yŏn'guwŏn, 1995.
NB: The trendline for 'Years required to purchase land' is a polynomial 2 line and is dotted. The trendline for 'Annual Interest Rate' is also a polynomial 2 line and is solid.

Appendix 1: Silver Values in Korea, 1650-1880

Years	one silver *tael* (37.5 grams)	Copper coins per one silver unit (37.5 grams)	Silver grams per one hundred copper coins
1650'	1	600.00	0.063
1651'	1	600.00	0.063
1652'	1	600.00	0.063
1653'	1	600.00	0.063
1654'	1	600.00	0.063
1655'	1	600.00	0.063
1656'	1	600.00	0.063
1657'	1	600.00	0.063
1658'	1	600.00	0.063
1659'	1	600.00	0.063
1660'	1	600.00	0.063
1661'	1	500.00	0.075
1662'	1	500.00	0.075
1663'	1	500.00	0.075
1664'	1	500.00	0.075
1665'	1	500.00	0.075
1666'	1	500.00	0.075
1667'	1	500.00	0.075
1668'	1	500.00	0.075
1669'	1	500.00	0.075
1670'	1	500.00	0.075
1671'	1	400.00	0.094
1672'	1	400.00	0.094
1673'	1	400.00	0.094
1674'	1	400.00	0.094
1675'	1	400.00	0.094

1676'	1	400.00	0.094
1677'	1	400.00	0.094
1678'	1	400.00	0.094
1679'	1	400.00	0.094
1680'	1	400.00	0.094
1681'	1	800.00	0.047
1682'	1	800.00	0.047
1683'	1	800.00	0.047
1684'	1	800.00	0.047
1685'	1	800.00	0.047
1686'	1	800.00	0.047
1687'	1	800.00	0.047
1688'	1	800.00	0.047
1689'	1	800.00	0.047
1690'	1	800.00	0.047
1691'	1	260.00	0.144
1692'	1	260.00	0.144
1693'	1	260.00	0.144
1694'	1	260.00	0.144
1695'	1	260.00	0.144
1696'	1	260.00	0.144
1697'	1	260.00	0.144
1698'	1	260.00	0.144
1699'	1	260.00	0.144
1700'	1	260.00	0.144
1701'	1	500.00	0.075
1702'	1	500.00	0.075
1703'	1	500.00	0.075
1704'	1	500.00	0.075
1705'	1	500.00	0.075

1706'	1	500.00	0.075
1707'	1	500.00	0.075
1708'	1	500.00	0.075
1709'	1	500.00	0.075
1710'	1	500.00	0.075
1711'	1	150.00	0.250
1712'	1	150.00	0.250
1713'	1	150.00	0.250
1714'	1	150.00	0.250
1715'	1	150.00	0.250
1716'	1	150.00	0.250
1717'	1	150.00	0.250
1718'	1	150.00	0.250
1719'	1	150.00	0.250
1720'	1	189.00	0.198
1721'	1	189.00	0.198
1722'	1	189.00	0.198
1723'	1	189.00	0.198
1724'	1	189.00	0.198
1725'	1	189.00	0.198
1726'	1	189.00	0.198
1727'	1	189.00	0.198
1728'	1	189.00	0.198
1729'	1	189.00	0.198
1730'	1	189.00	0.198
1731'	1	228.00	0.164
1732'	1	228.00	0.164
1733'	1	228.00	0.164
1734'	1	228.00	0.164
1735'	1	228.00	0.164

1736'	1	228.00	0.164
1737'	1	228.00	0.164
1738'	1	228.00	0.164
1739'	1	228.00	0.164
1740'	1	228.00	0.164
1741'	1	100.00	0.375
1742'	1	100.00	0.375
1743'	1	100.00	0.375
1744'	1	100.00	0.375
1745'	1	100.00	0.375
1746'	1	100.00	0.375
1747'	1	100.00	0.375
1748'	1	100.00	0.375
1749'	1	100.00	0.375
1750'	1	100.00	0.375
1751'	1	200.00	0.188
1752'	1	200.00	0.188
1753'	1	200.00	0.188
1754'	1	200.00	0.188
1755'	1	200.00	0.188
1756'	1	200.00	0.188
1757'	1	200.00	0.188
1758'	1	200.00	0.188
1759'	1	200.00	0.188
1760'	1	200.00	0.188
1761'	1	300.00	0.125
1762'	1	300.00	0.125
1763'	1	300.00	0.125
1764'	1	300.00	0.125
1765'	1	300.00	0.125
1766'	1	300.00	0.125
1767'	1	300.00	0.125

1768'	1	300.00	0.125
1769'	1	300.00	0.125
1770'	1	300.00	0.125
1771'	1	400.00	0.094
1772'	1	400.00	0.094
1773'	1	400.00	0.094
1774'	1	400.00	0.094
1775'	1	400.00	0.094
1776'	1	400.00	0.094
1777'	1	400.00	0.094
1778'	1	400.00	0.094
1779'	1	400.00	0.094
1780'	1	400.00	0.094
1781'	1	383.00	0.098
1782'	1	383.00	0.098
1783'	1	383.00	0.098
1784'	1	383.00	0.098
1785'	1	383.00	0.098
1786'	1	383.00	0.098
1787'	1	383.00	0.098
1788'	1	383.00	0.098
1789'	1	383.00	0.098
1790'	1	383.00	0.098
1791'	1	365.00	0.103
1792'	1	365.00	0.103
1793'	1	365.00	0.103
1794'	1	365.00	0.103
1795'	1	365.00	0.103
1796'	1	365.00	0.103
1797'	1	365.00	0.103
1798'	1	365.00	0.103
1799'	1	365.00	0.103

1800'	1	365.00	0.103
1801'	1	345.00	0.109
1802'	1	345.00	0.109
1803'	1	345.00	0.109
1804'	1	345.00	0.109
1805'	1	345.00	0.109
1806'	1	345.00	0.109
1807'	1	345.00	0.109
1808'	1	345.00	0.109
1809'	1	345.00	0.109
1810'	1	345.00	0.109
1811'	1	383.00	0.098
1812'	1	383.00	0.098
1813'	1	383.00	0.098
1814'	1	383.00	0.098
1815'	1	383.00	0.098
1816'	1	383.00	0.098
1817'	1	383.00	0.098
1818'	1	383.00	0.098
1819'	1	383.00	0.098
1820'	1	383.00	0.098
1821'	1	383.00	0.098
1822'	1	383.00	0.098
1823'	1	383.00	0.098
1824'	1	383.00	0.098
1825'	1	383.00	0.098
1826'	1	383.00	0.098
1827'	1	383.00	0.098
1828'	1	383.00	0.098
1829'	1	383.00	0.098
1830'	1	383.00	0.098
1831'	1	420.00	0.089

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1832'	1	420.00	0.089
1833'	1	420.00	0.089
1834'	1	420.00	0.089
1835'	1	420.00	0.089
1836'	1	420.00	0.089
1837'	1	420.00	0.089
1838'	1	420.00	0.089
1839'	1	420.00	0.089
1840'	1	420.00	0.089
1841'	1	475.00	0.079
1842'	1	475.00	0.079
1843'	1	475.00	0.079
1844'	1	475.00	0.079
1845'	1	475.00	0.079
1846'	1	475.00	0.079
1847'	1	475.00	0.079
1848'	1	475.00	0.079
1849'	1	475.00	0.079
1850'	1	475.00	0.079
1851'	1	530.00	0.071
1852'	1	530.00	0.071
1853'	1	530.00	0.071
1854'	1	530.00	0.071
1855'	1	530.00	0.071
1856'	1	530.00	0.071
1857'	1	530.00	0.071
1858'	1	530.00	0.071
1859'	1	530.00	0.071
1860'	1	530.00	0.071
1861'	1	625.00	0.060
1862'	1	625.00	0.060
1863'	1	625.00	0.060

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1864'	1	625.00	0.060
1865'	1	625.00	0.060
1866'	1	625.00	0.060
1867'	1	625.00	0.060
1868'	1	625.00	0.060
1869'	1	625.00	0.060
1870'	1	625.00	0.060
1871'	1	700.00	0.054
1872'	1	700.00	0.054
1873'	1	700.00	0.054
1874'	1	700.00	0.054
1875'	1	700.00	0.054
1876'	1	700.00	0.054
1877'	1	700.00	0.054
1878'	1	700.00	0.054
1879'	1	700.00	0.054
1880'	1	700.00	0.054

Sources: ???????????

NB: The major issue of copper coins began in 1678 at the rate of 400 pieces for one *yang* (tael) of silver (copper coins 400 pieces = 37.5 grams silver = 50 kilograms white rice in 1678). The varieties of silver were:
Ch'ŏnŭn (天銀) one tael = Chinese copper 1000 pieces = Korean copper 318 pieces (1799)
Sisang'ŭn (市上銀) one tael = Chinese copper 1150 pieces = Korean copper 420 pieces (1799)
Chŏng'ŭn (丁銀) one tael Chinese copper 800 pieces = Korean copper 300 pieces (1799)
Source: *Muo Yŏnhaeng-rok* (19/10/1798-2/4/1799).

Appendix 1: Silver Values in Korea, 1650-1880
Figure

Legend: Copper coins per one silver unit (37.5 grams) ◆ Silver grams per one hundred copper coins