

Table A.1
 Official and Revised Index of Real Output Growth, 1952-2005,
 Official Series vs. Revision Using Nominal 2000 Sector Weights
 (2000 GDP = 100)

	Index of Real Output Growth, 2000=100					Annual Growth of GDP (percent)		
	Aggregate GDP		Sectoral Output Growth			NBS	Revised	Difference
	NBS	Revised	Primary	Secondary	Tertiary	Index	Index	A-B
1952	2.79	4.46	21.22	0.61	2.62	A	B	
1953	3.23	4.90	21.63	0.82	3.34	15.6	9.9	5.7
1954	3.36	5.00	21.99	0.95	3.32	4.2	2.2	2.1
1955	3.59	5.35	23.73	1.02	3.47	6.8	7.0	-0.2
1956	4.13	5.87	24.83	1.38	3.96	15.1	9.7	5.4
1957	4.34	6.11	25.60	1.49	4.15	5.1	4.1	1.0
1958	5.26	6.78	25.70	2.28	4.89	21.2	10.9	10.3
1959	5.73	6.73	21.63	2.86	5.64	8.9	-0.6	9.5
1960	5.71	6.39	18.08	3.02	5.91	-0.3	-5.1	4.8
1961	4.15	5.25	18.36	1.75	4.39	-27.3	-17.8	-9.5
1962	3.92	5.13	19.19	1.56	3.99	-5.6	-2.3	-3.3
1963	4.32	5.62	21.35	1.79	4.17	10.2	9.7	0.5
1964	5.11	6.50	24.11	2.25	4.81	18.2	15.5	2.7
1965	5.98	7.39	26.44	2.79	5.57	17.1	13.8	3.3
1966	6.62	7.92	28.35	3.42	5.47	10.7	7.2	3.6
1967	6.24	7.79	28.89	2.93	5.50	-5.7	-1.7	-4.0
1968	5.99	7.61	28.44	2.66	5.53	-4.1	-2.3	-1.8
1969	7.00	8.34	28.67	3.54	6.27	16.9	9.6	7.3
1970	8.36	9.41	30.88	4.77	6.71	19.4	12.8	6.6
1971	8.94	9.91	31.45	5.36	7.10	7.0	5.4	1.7
1972	9.28	10.18	31.18	5.72	7.46	3.7	2.7	1.1
1973	10.01	10.97	33.98	6.19	7.87	7.9	7.8	0.0
1974	10.24	11.27	35.38	6.28	7.99	2.3	2.7	-0.4
1975	11.13	11.99	36.10	7.27	8.38	8.7	6.4	2.3
1976	10.95	11.82	35.46	7.09	8.41	-1.6	-1.4	-0.2
1977	11.78	12.45	34.68	8.04	9.21	7.6	5.3	2.3
1978	13.16	13.71	36.10	9.24	10.47	11.7	10.1	1.6
1979	14.16	14.71	38.33	10.00	11.29	7.6	7.3	0.3
1980	15.26	15.51	37.76	11.36	11.96	7.8	5.4	2.4
1981	16.07	16.49	40.39	11.57	13.21	5.2	6.3	-1.1
1982	17.52	18.15	45.06	12.21	14.93	9.1	10.1	-1.0
1983	19.42	20.18	48.79	13.48	17.20	10.9	11.2	-0.3
1984	22.37	23.32	55.10	15.43	20.53	15.2	15.6	-0.4

1985	25.38	26.25	56.09	18.30	24.29	13.5	12.6	0.9
1986	27.63	28.54	57.96	20.17	27.22	8.9	8.7	0.1
1987	30.83	31.76	60.70	22.93	31.15	11.6	11.3	0.3
1988	34.31	35.13	62.23	26.26	35.26	11.3	10.6	0.7
1989	35.70	36.61	64.16	27.25	37.15	4.1	4.2	-0.2
1990	37.07	38.04	68.85	28.11	38.01	3.8	3.9	-0.1
1991	40.47	41.39	70.50	32.01	41.37	9.2	8.8	0.4
1992	46.24	47.00	73.82	38.78	46.49	14.2	13.6	0.7
1993	52.69	53.26	77.26	46.48	52.13	14.0	13.3	0.6
1994	59.59	59.90	80.36	55.02	57.88	13.1	12.5	0.6
1995	66.10	66.23	84.37	62.65	63.56	10.9	10.6	0.4
1996	72.72	72.70	88.66	70.23	69.54	10.0	9.8	0.2
1997	79.47	79.45	91.77	77.59	76.97	9.3	9.3	0.0
1998	85.70	85.62	94.98	84.51	83.38	7.8	7.8	0.1
1999	92.24	92.22	97.65	91.38	91.14	7.6	7.7	-0.1
2000	100.00	100.00	100.00	100.00	100.00	8.4	8.4	0.0
2001	108.30	108.30	102.82	108.44	110.21	8.3	8.3	0.0
2002	118.15	118.13	105.78	119.10	121.67	9.1	9.1	0.0
2003	129.99	129.98	108.41	134.19	133.19	10.0	10.0	0.0
2004	143.10	143.09	115.27	149.10	146.56	10.1	10.1	0.0
2005	157.32	157.31	121.26	166.12	160.62	9.9	9.9	0.0

Explanation:

NBS index of GDP: official figures, including revisions made in 2005, compiled in Tab "Official GDP Index 1952-2005"

Revised GDP index is the weighted average of real output indexes for the primary, secondary, and tertiary sectors prepared by NBS and compiled in Tab "Official GDP Index 1952-2005" using shares of the three sectors in nominal GDP for 2000 (as revised in 2005) as weights:.

Table A.2
 Alternate Measures of Fixed Capital Stock, 1952-2000 (2000 prices)
 and Deflator for Gross Fixed Capital Formation (2000=100)

Year	Alternate Measures of Fixed Capital Stock Valued in 2000 prices				Deflator for GFKF 2000=100
	K(52) =GDP52 Depreciation=.07	K(52)=2*GDP(52) Depreciation=.07	K(52) =GDP52 Depreciation=.096	K(52)=2*GDP(52) Depreciation=.096	
	DK(t)	DK(t)	DK(t)	DK(t)	P(t)
1952	323.6	647.2	323.6	647.2	21.0
1953	362.0	663.0	353.6	646.1	18.9
1954	401.8	681.6	384.8	649.2	21.6
1955	435.1	695.3	409.2	648.3	23.7
1956	508.4	750.4	473.7	689.8	21.2
1957	560.9	786.0	516.3	711.7	21.2
1958	658.5	867.9	603.7	780.3	24.3
1959	792.9	987.6	726.2	885.9	24.1
1960	929.2	1110.3	848.3	992.6	24.7
1961	957.3	1125.7	860.0	990.5	24.4
1962	967.9	1124.5	855.1	973.0	22.6
1963	999.3	1144.9	872.1	978.7	21.7
1964	1059.1	1194.5	918.1	1014.5	22.4
1965	1136.6	1262.5	981.6	1068.7	23.1
1966	1231.8	1349.0	1062.2	1140.9	23.3
1967	1302.3	1411.3	1117.0	1188.2	20.7
1968	1343.6	1444.9	1142.2	1206.5	22.7
1969	1432.9	1527.2	1215.9	1274.1	22.2
1970	1574.4	1662.0	1341.0	1393.6	22.6
1971	1743.0	1824.5	1491.0	1538.5	21.6
1972	1907.5	1983.3	1634.3	1677.3	21.7
1973	2070.2	2140.7	1773.7	1812.6	22.4
1974	2257.8	2323.4	1936.0	1971.1	22.5
1975	2490.3	2551.3	2140.7	2172.4	22.5
1976	2700.2	2756.9	2319.4	2348.1	22.5
1977	2930.6	2983.3	2516.1	2542.1	21.7
1978	3220.1	3269.1	2769.2	2792.7	21.7
1979	3549.1	3594.7	3057.7	3078.9	20.8
1980	3925.0	3967.4	3388.6	3407.7	21.1
1981	4236.4	4275.9	3649.5	3666.8	21.4
1982	4614.7	4651.4	3973.9	3989.6	22.1
1983	5007.2	5041.3	4308.0	4322.1	23.9
1984	5463.8	5495.5	4701.5	4714.3	26.3
1985	5984.4	6013.9	5153.2	5164.8	29.2
1986	6547.8	6575.2	5640.8	5651.2	31.5
1987	7146.7	7172.3	6156.6	6166.0	35.4
1988	7816.7	7840.4	6735.8	6744.3	39.5
1989	8181.3	8203.3	7000.9	7008.6	47.6

1990	8499.2	8519.7	7219.4	7226.4	53.1
1991	8957.2	8976.3	7579.3	7585.6	56.4
1992	9619.8	9637.6	8141.3	8147.0	64.5
1993	10529.5	10546.0	8942.8	8947.9	82.0
1994	11660.1	11675.5	9952.0	9956.7	90.2
1995	12999.6	13013.9	11152.3	11156.5	94.2
1996	14469.2	14482.5	12461.3	12465.1	98.1
1997	15972.3	15984.6	13780.9	13784.3	100.0
1998	17631.5	17643.0	15235.2	15238.3	99.5
1999	19373.9	19384.6	16749.2	16752.1	99.0
2000	21280.1	21290.1	18403.7	18406.2	100.0
2001	23465.3	23474.6	20311.8	20314.1	100.2
2002	26008.0	26016.6	22547.1	22549.1	100.2
2003	29194.2	29202.2	25389.4	25391.2	102.5
2004	33148.3	33155.7	28949.6	28951.3	108.6
2005	37948.3	37955.2	33290.8	33292.3	109.8

File: Fixed Capital Stock 1952-2005.112506.xls, Tab Table A.2 Fixed Capital.060507

Table A.3

Working Age Non-student Population, 16-65, With and Without Adjustment for Human Capital, 1952-2005
 Numbers of Workers in Each Education Category

Year	Headcount						Education	Ratio
	Age 16-65 L	文盲 No diploma	小学 Primary	初中 Junior High	高中 Senior High	大学 Tertiary	Enhanced H	
1952	313346294	231505366	61504234	14895298	4246555	1194841	283421462	0.90
1953	316618765	230868221	64487396	15339719	4615121	1308308	287594228	0.91
1954	319876350	228859977	67897952	16520652	5178319	1419451	292447602	0.91
1955	323357040	227291497	71079985	17684709	5786919	1513929	297446194	0.92
1956	326672815	225896281	74326922	18712110	6150836	1586666	301904435	0.92
1957	331859620	225133901	77884850	20643133	6530986	1666750	308464553	0.93
1958	333933056	224149098	81402786	20022229	6640459	1718485	310730494	0.93
1959	337805090	222569684	84718543	21708400	7020043	1788420	316015952	0.94
1960	341196430	220637622	88277709	22879066	7486327	1915706	320924555	0.94
1961	344888426	215725896	91276649	27564486	8293200	2028195	328202434	0.95
1962	351747925	213756214	95712050	30944630	9152693	2182339	337809110	0.96
1963	360209889	213212296	101131271	33370557	10123566	2372199	348622563	0.97
1964	367543651	212578575	106673818	34707849	10933841	2649568	357984395	0.97
1965	372783230	211897766	112527136	34287515	11168984	2901829	364014182	0.98
1966	388043046	211823968	118868423	42420988	11827107	3102560	383224495	0.99
1967	398180013	211529899	124381622	46759220	12218371	3290901	395740595	0.99
1968	410938382	212255163	130788359	51309172	13151848	3433840	411210291	1.00
1969	422920419	212566473	136821211	57225107	12764722	3542905	425040823	1.01
1970	434828561	212800830	142813494	63827941	11819436	3566861	438291681	1.01
1971	447070657	213039508	148688714	70670170	11150917	3521347	452079906	1.01
1972	456341572	212545958	153153023	75437910	11662862	3541818	463654513	1.02
1973	469021673	212121003	157500769	82298715	13617445	3483740	480628479	1.02
1974	481928783	211280249	161591088	89296653	16337685	3423107	498719993	1.03
1975	488509964	209003548	164145941	94160881	18106359	3093235	508433941	1.04
1976	493579071	206415883	166288033	97202577	20427337	3245242	517716626	1.05
1977	495026350	203321570	167242271	97749855	23271874	3440780	523234094	1.06
1978	506667822	200872267	169142852	104247860	28802745	3602097	543523451	1.07
1979	529931897	198937244	173351712	114300544	39668469	3673928	581756597	1.10
1980	550644746	196163906	177691274	121469085	51521957	3798524	617710394	1.12
1981	570708558	193519922	182845408	129864557	60577106	3901564	650540990	1.14
1982	589835232	191188437	189586612	138814425	65916117	4329641	679556487	1.15
1983	604392255	188221940	197037385	145626457	68875858	4630615	700685371	1.16
1984	619831258	196166737	197230692	150804827	70746789	4882213	718934858	1.16
1985	638698704	198617870	206633610	155570613	72711797	5164814	741634403	1.16

1986	655863972	198952378	215403552	160806186	75191256	5510601	763842674	1.16
1987	674410014	201127188	222573398	166596980	78117167	5995280	788056496	1.17
1988	690782109	200997285	229151480	173058159	81078649	6496536	810821110	1.17
1989	707384857	200857592	235339038	180117655	84062197	7008375	834071647	1.18
1990	722042872	199173001	241764053	186508533	87039888	7557396	855505649	1.18
1991	734990954	195362649	248826859	192609955	90079267	8112224	875591539	1.19
1992	746579888	191436702	255007106	198477122	93008322	8650635	894109408	1.20
1993	756868515	187253955	260162573	204439338	95856533	9156116	911249921	1.20
1994	764976937	181912542	264788805	210064169	98500115	9711306	926210633	1.21
1995	773768369	177224216	269667396	215102898	101336660	10437197	942116342	1.22
1996	780662240	171195547	273347317	220510852	104423163	11185361	956799151	1.23
1997	786412059	164695870	276173189	225702434	107926020	11914545	970725937	1.23
1998	794345743	159965382	277828059	232032459	111875815	12644028	987361061	1.24
1999	802202367	155242264	278403308	239644273	115526732	13385790	1004087561	1.25
2000	808414668	149839454	278439363	246991687	118925160	14219003	1019155037	1.26
2001	815038146	145467946	278401039	253800814	122268972	15099376	1034312095	1.27
2002	820681523	141034268	278742115	259435014	125195637	16274489	1048343530	1.28
2003	828731968	137663314	279244940	265849822	128021745	17952147	1065901820	1.29
2004	836327569	133413652	279533512	272350460	130898606	20131339	1084388063	1.30
2005	849636604	128700332	278768532	285494300	133692037	22981403	1112414909	1.31

File: Education Results 1952-2005.110906.xls, Tab Table A.3 & A.4 Labor

Table A.4

2000 Mincer Weights For Aggregating Education Cohorts Into an Index (H) of Education-Enhanced Labor Supply
(National average wage for primary school graduates = 1)

	Level of Educational Attainment				
	No diploma	Primary	Middle	Secondary	Tertiary
Relative wage	0.818	1	1.346	2.010	3.277

File: Education Results 1952-2005.110906.xls, Tab Tables A.3 & A.4 Labor

Table A.5

Annual Change in TFP Using Alternate Measures of Capital Stock (percent)

Year	Percent Change in TFP Using Capital Stock Measure			
	V1	V2	V3	V4
1952/53	3.9	8.0	5.1	9.1
1953/54	-3.5	0.0	-2.6	1.0
1954/55	2.5	5.2	3.3	6.1
1955/56	1.6	5.4	2.0	6.1
1956/57	-1.6	0.8	-1.0	1.5
1957/58	3.0	6.0	3.2	6.4
1958/59	-10.4	-7.5	-10.3	-7.4
1959/60	-13.4	-11.4	-13.3	-11.2
1960/61	-20.4	-19.7	-19.7	-19.0
1961/62	-4.5	-3.9	-3.7	-3.2
1962/63	6.4	7.1	7.0	7.6
1963/64	11.4	12.1	11.7	12.4
1964/65	9.7	10.4	9.8	10.5
1965/66	0.6	1.2	0.6	1.3
1966/67	-6.0	-5.5	-5.8	-5.3
1967/68	-5.9	-5.5	-5.5	-5.2
1968/69	4.8	5.2	4.9	5.2
1969/70	6.8	7.2	6.6	7.0
1970/71	-1.0	-0.6	-1.2	-0.9
1971/72	-2.9	-2.5	-2.9	-2.7
1972/73	2.1	2.3	2.1	2.3
1973/74	-3.3	-3.1	-3.4	-3.2
1974/75	0.8	1.0	0.7	0.9
1975/76	-6.1	-5.9	-6.0	-5.9
1976/77	1.0	1.2	1.1	1.2
1977/78	3.7	3.8	3.6	3.7
1979/78	-1.1	-1.0	-1.2	-1.1
1980/79	-2.6	-2.5	-2.7	-2.7
1981/80	-0.1	-0.1	0.0	0.0
1982/81	3.7	3.8	3.7	3.8
1983/82	5.7	5.8	5.8	5.8
1984/83	10.2	10.2	10.2	10.2
1985/84	6.7	6.7	6.7	6.7
1986/85	3.0	3.0	2.9	3.0
1987/86	5.5	5.5	5.5	5.5
1988/87	4.9	5.0	4.9	4.9
1989/88	0.6	0.6	0.9	0.9
1990/89	0.8	0.8	1.1	1.1
1991/90	5.2	5.2	5.3	5.3
1992/91	9.2	9.2	9.2	9.2
1993/92	8.2	8.2	8.0	8.0
1994/93	6.9	6.9	6.7	6.7
1995/94	4.6	4.7	4.4	4.4

1996/95	4.0	4.0	3.8	3.8
1997/96	4.0	4.0	3.9	3.9
1998/97	2.3	2.3	2.3	2.3
1999/98	2.5	2.5	2.5	2.5
2000/99	3.4	3.4	3.3	3.3
2001/00	3.0	3.0	3.0	3.0
2002/01	3.6	3.6	3.6	3.6
2003/02	3.8	3.8	3.6	3.7
2004/03	3.3	3.3	3.1	3.1
2005/04	2.2	2.2	2.0	2.0

Note: assumptions underlying alternative capital stock measures
 Depreciation set at 9.6% (V3 and V4) or 7% (V1 and V2)
 Initial capital stock for 1952 set equal to 1952 GDP (V1, V3)
 or double 1952 GDP (V2, V4)

File: TFP with Alt H.060707 Tab Table A.5

Table A.6
China: Real GDP Growth, 1998-2002 (percent)

	Official	Alternate
1994	12.6	12.6
1995	9.0	9.0
1996	9.8	9.8
1997	8.6	8.6
1998	7.8	0.0
1999	7.2	0.0
2000	7.1	3.0
2001	7.3	4.0
2002	8.0	8.0
2003 Q1	9.9	9.9
2003 Q2	6.7	2.0

File: TFP with Alt H.060707, Tab Table A.6

Table A.7
 Distribution of Educational Attainment and Measures of Education-enhanced Labor, Preferred and Alternate Measures
 for 1982, 1990, 2000, and 2005

	Preferred Data: Perkins-Rawski Calculations Using 1982 Base & Officially Reported Graduation Totals				Alternate Series: 1982 Base & Education Data From China's Population Censuses of 1990 and 2000			
	1982	1990	2000	2005	1982	1990	2000	2005
Percent with								
No diploma	32.41	27.58	18.53	15.17	32.41	18.93	7.15	5.15
Primary	32.14	33.48	34.44	32.85	32.14	36.31	31.58	31.66
Jr. High	23.53	25.83	30.55	33.52	23.53	30.68	40.80	43.25
Sr. High	11.18	12.05	14.71	15.75	11.18	11.94	15.30	14.90
Tertiary	0.73	1.05	1.76	2.71	0.73	2.14	5.17	5.04
Ratio H/L	1.15	1.18	1.26	1.31	1.15	1.24	1.40	1.41
Alternate H/L: Perkins-Rawski figure = 100					100.0	104.7	111.1	107.4

Source: Authors' file "Census Educ Data 1990 & 2000.092506 R051907," Tab "Compare LF & Education Results."

Table A.8

Projected Annual Changes in Capital Stock, Education-enhanced Labor and TFP, 2005-2025 (percent)

Annual Change (percent)
in

	Fixed Capital at 2000 Prices				Education Enhanced	Total Factor Productivity			
	V1	V2	V3	V4	Labor H	V1	V2	V3	V4
2005/06	11.9	11.6	11.3	11.0	3.1	2.1	2.2	-0.6	-0.5
2006/07	11.1	10.7	10.1	9.7	2.0	3.0	3.2	0.5	0.7
2007/08	10.6	10.0	9.2	8.6	1.8	3.4	3.7	1.0	1.3
2008/09	10.1	9.4	8.5	7.8	1.7	3.7	4.0	1.4	1.6
2009/10	9.7	8.9	7.9	7.1	1.7	3.9	4.2	1.6	2.0
2010/11	9.4	8.5	7.5	6.6	2.1	3.7	4.1	1.6	2.0
2011/12	9.2	8.1	7.1	6.1	2.1	3.8	4.3	1.7	2.2
2012/13	9.0	7.9	6.8	5.7	1.3	4.4	4.9	2.3	2.8
2013/14	8.8	7.6	6.5	5.4	2.3	3.9	4.4	1.9	2.4
2014/15	8.7	7.4	6.3	5.1	1.6	4.4	4.9	2.4	2.9
2015/16	8.6	7.2	6.1	4.8	1.6	4.4	5.0	2.5	3.0
2016/17	8.5	7.0	5.9	4.6	0.3	5.2	5.8	3.3	3.9
2017/18	8.4	6.9	5.8	4.4	1.7	4.5	5.1	2.6	3.2
2018/19	8.3	6.7	5.7	4.2	1.0	4.9	5.6	3.0	3.6
2019/20	8.2	6.6	5.6	4.1	1.2	4.8	5.5	2.9	3.6
2020/21	8.2	6.5	5.5	3.9	0.9	4.9	5.7	3.1	3.8
2021/22	8.1	6.4	5.4	3.8	0.9	5.0	5.7	3.1	3.8
2022/23	8.1	6.2	5.3	3.6	0.6	5.2	6.0	3.4	4.1
2023/24	8.1	6.1	5.3	3.5	0.8	5.1	5.9	3.3	4.0
2024/25	8.0	6.0	5.2	3.4	1.0	5.0	5.8	3.2	4.0

Notes: annual growth of GDP assumed to be 9 percent (V1, V3) or 6 percent (V2, V4)

Ratio of gross fixed investment to GDP assumed to decline linearly to a terminal share of
35 percent (V1, V3) or 25 percent (V2, V4).TFP calculation based on nominal 2000 factor shares of 57 percent (labor) and 43 percent (fixed
capital).

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