

Data Appendix to "The Economy of People's Republic of China from 1953"*

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13 Data Appendix

We present data on six broad aspects of the Chinese economy: national accounts, labor inputs, capital inputs, foreign trade, prices and wages.

13.1 National Accounts

Our two main sources of data on the system of national accounts of China are published by the Chinese National Bureau of Statistics (NBS). The first one is the "China Statistical Yearbook" (CSY) which is available from the official website (<http://www.stats.gov.cn/english/Statisticaldata/AnnualData/>) for the years 1996-2014. The second main source is the "60 Years of New China" (60Y) which aggregates data from previous publications for the years 1949-2009. (<http://tongji.cnki.net/overseas/engnavi/YearBook.aspx?id=N2010030107>). The second source is closely related with a book on pre-1996 statistics compiled by Hsueh and Li (1999), "China's national income 1952-1995" (HL).

Table 1 reports the Gross Domestic Product (GDP) measured as value added, for the whole economy and by sector, in current and constant prices, measured in 100 million yuan. Table 2 reports the Gross Domestic Product by Expenditure Approach, in current prices, measured in 100 million yuan. GDP is broken down into consumption, reported separately for households and for the government, gross capital formation (GCF), in turn broken down into gross fixed capital formation (GFCF) and inventories, and net exports. The table also reports data on foreign trade: total value of imports, exports and the trade balance.

*Cheremukhin: Federal Reserve Bank of Dallas; Golosov: Princeton and NES; Guriev: NES and Sciences Po; Tsyvinski: Yale.

The source of data for Tables 1 and 2 are "60 Years of New China", which only covers 1952-2008 for the series of interest.

Table 3 reports the Gross Domestic Product (GDP) measured as value added, for the whole economy and by sector, in current and constant prices, measured in 100 million yuan. Table 4 reports the Gross Domestic Product by Expenditure Approach, in current prices, measured in 100 million yuan. GDP is divided into consumption, reported separately for households and for the government, gross capital formation (GCF), in turn divided into gross fixed capital formation (GFCF) and inventories, and net exports. The table also reports data on foreign trade: total value of imports, exports and the trade balance.

The source of data for Tables 3 and 4 are "China Statistical Yearbooks" from 1996 to 2014, which only cover 1978-2012 for the series of interest.

In order to get consistent series for the whole period of interest, 1952-2012, we merge the data from the two sources. The two sources largely agree for the overlapping periods. However, there are some discrepancies between the two sources, with the earliest appearing for year 1990. For the conflicting cases we always prefer the most recent data vintage - CSY 2014.

Table 5 reports merged series for GDP by sector, in current and constant prices, for 1952-2012. Table 6 reports merged series for the breakdown of GDP by expenditure approach, also for 1952-2012.

13.2 Prices and Wages

To obtain a consistent series for GDP and its sectoral split into agriculture and non-agriculture, we need to obtain sectoral GDP deflators. We compute aggregate and sectoral GDP deflators using Table 5 by dividing value added in current prices by the indices in constant prices, and multiply each series by a constant that converts nominal values into constant 1978 yuan. We report the results in Table 7. Taking the ratio of price deflators in the two sectors allows us to estimate the relative prices of agricultural goods to non-agricultural goods.

We also report indexes of agricultural and industrial goods prices. These are the General Purchasing Price Index for Farm Products and the Ex-Factory Price Index for Industrial Products, available from the CSY for various years. For pre-1978 values we use values from CSY for year 1981.

In Table 8 we report average wages for staff and workers in the agricultural and non-

Table 1: Value Added by Sector, 60Y

year	Gross Domestic Product				Indices of Gross Domestic Product			
	Total	Primary	Secondary	Tertiary	Total	Primary	Secondary	Tertiary
1952	679.0	346.0	141.8	191.2	100.0	100.0	100.0	100.0
1953	824.2	381.4	192.5	250.3	115.6	101.9	135.8	124.9
1954	859.4	395.5	211.7	252.2	120.5	103.6	157.1	124.4
1955	910.8	424.8	222.2	263.8	128.7	111.8	169.0	130.4
1956	1029.0	447.9	280.7	300.4	148.1	117.0	227.3	147.7
1957	1069.3	433.9	317.0	318.4	155.6	120.6	245.5	154.6
1958	1308.2	449.9	483.5	374.8	188.6	121.1	375.4	182.6
1959	1440.4	387.2	615.5	437.6	205.3	101.9	472.3	211.0
1960	1457.5	343.8	648.2	465.5	204.6	85.2	498.6	221.5
1961	1220.9	445.1	388.9	387.0	148.7	86.5	288.8	164.3
1962	1151.2	457.2	359.3	334.8	140.4	90.4	257.8	149.0
1963	1236.4	502.0	407.6	326.8	154.7	100.6	295.2	155.5
1964	1455.5	564.0	513.5	378.0	182.9	113.6	370.8	179.6
1965	1717.2	656.9	602.2	458.1	214.1	124.6	460.6	208.1
1966	1873.1	708.5	709.5	455.1	237.1	133.6	564.0	204.1
1967	1780.3	720.6	602.8	456.9	223.6	136.1	483.3	205.2
1968	1730.2	732.8	537.3	460.0	214.4	134.0	438.7	206.5
1969	1945.8	742.8	689.1	513.9	250.6	135.1	584.0	234.3
1970	2261.3	800.4	912.2	548.7	299.3	145.5	787.3	250.9
1971	2435.3	833.7	1022.8	578.7	320.4	148.2	884.2	265.5
1972	2530.2	834.8	1084.2	611.2	332.4	146.9	943.6	279.1
1973	2733.4	915.6	1173.0	644.7	358.5	160.1	1022.1	294.3
1974	2803.7	953.7	1192.0	658.1	366.8	166.7	1036.4	298.8
1975	3013.1	979.8	1370.5	662.8	398.7	170.1	1200.2	313.5
1976	2961.5	975.7	1337.2	648.6	392.2	167.1	1170.3	314.7
1977	3221.1	950.6	1509.1	761.4	422.1	163.4	1325.8	345.0
1978	3645.2	1027.5	1745.2	872.5	471.4	170.1	1525.2	392.7
1979	4062.6	1270.2	1913.5	878.9	507.1	180.6	1650.2	423.5
1980	4545.6	1371.6	2192.0	982.0	546.8	177.9	1874.1	448.9
1981	4891.6	1559.5	2255.5	1076.6	575.5	190.3	1909.1	495.7
1982	5323.4	1777.4	2383.0	1163.0	627.6	212.3	2015.3	560.0
1983	5962.7	1978.4	2646.2	1338.1	695.8	229.9	2224.2	645.0
1984	7208.1	2316.1	3105.7	1786.3	801.3	259.6	2546.2	769.8
1985	9016.0	2564.4	3866.6	2585.0	909.2	264.3	3019.0	909.6
1986	10275.2	2788.7	4492.7	2993.8	989.7	273.1	3327.6	1019.1
1987	12058.6	3233.0	5251.6	3574.0	1104.3	286.0	3783.3	1165.5
1988	15042.8	3865.4	6587.2	4590.3	1228.9	293.2	4332.6	1318.8
1989	16992.3	4265.9	7278.0	5448.4	1278.8	302.3	4495.8	1389.5
1990	18667.8	5062.0	7717.4	5888.4	1327.9	324.4	4638.3	1422.0
1991	21781.5	5342.2	9102.2	7337.1	1449.8	332.2	5280.9	1548.1
1992	26923.5	5866.6	11699.5	9357.4	1656.3	347.8	6398.0	1740.8
1993	35333.9	6963.8	16454.4	11915.7	1887.6	364.2	7669.1	1952.9
1994	48197.9	9572.7	22445.4	16179.8	2134.5	378.7	9077.1	2169.5
1995	60793.7	12135.8	28679.5	19978.5	2367.7	397.7	10336.6	2383.0
1996	71176.6	14015.4	33835.0	23326.2	2604.6	417.9	11587.9	2607.6
1997	78973.0	14441.9	37543.0	26988.1	2846.8	432.6	12802.2	2887.0
1998	84402.3	14817.6	39004.2	30580.5	3069.8	447.7	13943.0	3128.8
1999	89677.1	14770.0	41033.6	33873.4	3303.7	460.2	15077.3	3420.7
2000	99214.6	14944.7	45555.9	38714.0	3582.2	471.3	16499.0	3754.1
2001	109655.2	15781.3	49512.3	44361.6	3879.6	484.5	17891.8	4139.2
2002	120332.7	16537.0	53896.8	49898.9	4231.9	498.5	19650.4	4571.4
2003	135822.8	17381.7	62436.3	56004.7	4656.2	511.0	22140.5	5005.9
2004	159878.3	21412.7	73904.3	64561.3	5125.8	543.2	24600.8	5509.3
2005	183217.4	22420.0	87364.6	73432.9	5660.5	571.6	27478.0	6087.8
2006	211923.5	24040.0	103162.0	84721.4	6319.8	600.2	31040.8	6824.8
2007	257305.6	28627.0	124799.0	103879.6	7143.8	622.7	35591.8	7763.3
2008	300670.0	34000.0	146183.4	120486.6	7783.2	656.9	38884.1	8499.9

The left panel is measured in current prices, in 100 million yuan.

The right panel reports chained quantity indexes.

Table 2: GDP by Expenditure Approach, 60Y

year	Gross Domestic Product by Expenditure Approach							Total Value of Exports and Imports		
	Consumption	Households	Government	GCF	GFCF	Inventories	Net Exports	Exports	Imports	Balance
1952	546.3	453	93.3	153.7	80.7	73	-7.8	27.1	37.5	-10.4
1953	644.4	529.2	115.2	198.3	115.3	83	-8.4	34.8	46.1	-11.3
1954	654.1	550	104.1	226.9	140.9	86	-2.7	40	44.7	-4.7
1955	722.3	602.6	119.7	221.5	145.5	76	-8.9	48.7	61.1	-12.4
1956	772.6	646.8	125.8	257.6	219.6	38	4	55.7	53	2.7
1957	816.4	686.6	129.8	280	187	93	5.5	54.5	50	4.5
1958	852.6	724	128.6	432	333	99	6.6	67	61.7	5.3
1959	821.5	691.2	130.3	621.7	435.7	186	8.1	78.1	71.2	6.9
1960	932.6	741.7	190.9	575	473	102	0.4	63.3	65.1	-1.8
1961	995.1	816.7	178.4	274.6	227.6	47	5.5	47.7	43	4.7
1962	985.7	838.7	147	178.1	175.1	3	12.6	47.1	33.8	13.3
1963	1014.3	844.2	170.1	265.3	215.3	50	13.5	50	35.7	14.3
1964	1078.6	889.6	189	350.3	290.3	60	12.9	55.4	42.1	13.3
1965	1158.6	951.5	207.1	462.1	350.1	112	8.5	63.1	55.3	7.8
1966	1251.3	1021.1	230.2	569.8	406.8	163	6.2	66	61.1	4.9
1967	1275.7	1081.5	194.2	425.7	323.7	102	6.3	58.8	53.4	5.4
1968	1269.1	1076.6	192.5	432.2	300.2	132	7.4	57.6	50.9	6.7
1969	1359.4	1127.7	231.7	485.9	406.9	79	12.4	59.8	47.2	12.6
1970	1459.7	1206.8	252.9	744.9	545.9	199	2.4	56.8	56.1	0.7
1971	1557.9	1262	295.9	819	603	216	15.6	68.5	52.4	16.1
1972	1644.3	1334.2	310.1	791.1	622.1	169	18.4	82.9	64	18.9
1973	1751.3	1432.5	318.8	903.5	664.5	239	14.8	116.9	103.6	13.3
1974	1809.6	1467	342.6	936.1	748.1	188	-7	139.4	152.8	-13.4
1975	1887.4	1528.5	358.9	1062.3	880.3	182	0.7	143	147.4	-4.4
1976	1969.5	1588.5	381	990.1	865.1	125	8.7	134.8	129.3	5.5
1977	2057.8	1647.8	410	1098.1	911.1	187	10.1	139.7	132.8	6.9
1978	2239.1	1759.1	480	1377.9	1073.9	304	-11.4	167.6	187.4	-19.8
1979	2633.7	2011.5	622.2	1478.9	1153.1	325.8	-20	211.7	242.9	-31.2
1980	3007.9	2331.2	676.7	1599.7	1322.4	277.3	-14.7	271.2	298.8	-27.6
1981	3361.5	2627.9	733.6	1630.2	1339.3	290.9	17.1	367.6	367.7	-0.1
1982	3714.8	2902.9	811.9	1784.2	1503.2	281	91	413.8	357.5	56.3
1983	4126.4	3231.1	895.3	2039	1723.3	315.7	50.8	438.3	421.8	16.5
1984	4846.3	3742	1104.3	2515.1	2147	368.1	1.3	580.5	620.5	-40
1985	5986.3	4687.4	1298.9	3457.5	2672	785.5	-367.1	808.9	1257.8	-448.9
1986	6821.8	5302.1	1519.7	3941.9	3139.7	802.2	-255.2	1082.1	1498.3	-416.2
1987	7804.6	6126.1	1678.5	4462	3798.7	663.3	10.8	1470.0	1614.2	-144.2
1988	9839.5	7868.1	1971.4	5700.2	4701.9	998.3	-151.1	1766.7	2055.1	-288.4
1989	11164.2	8812.6	2351.6	6332.7	4419.4	1913.3	-185.6	1956.0	2199.9	-243.9
1990	12090.5	9450.9	2639.6	6747	4827.8	1919.2	510.3	2985.8	2574.3	411.5
1991	14091.9	10730.6	3361.3	7868	6070.3	1797.7	617.5	3827.1	3398.7	428.4
1992	17203.3	13000.1	4203.2	10086.3	8513.7	1572.6	275.6	4676.3	4443.3	233.0
1993	21899.9	16412.1	5487.8	15717.7	13309.2	2408.5	-679.5	5284.8	5986.2	-701.4
1994	29242.2	21844.2	7398	20341.1	17312.7	3028.4	634.1	10421.8	9960.1	461.7
1995	36748.2	28369.7	8378.5	25470.1	20885	4585.1	998.6	12451.8	11048.1	1403.7
1996	43919.5	33955.9	9963.6	28784.9	24048.1	4736.8	1459.2	12576.4	11557.4	1019.0
1997	48140.6	36921.5	11219.1	29968	25965	4003	3549.9	15160.7	11806.5	3354.2
1998	51588.2	39229.3	12358.9	31314.2	28569	2745.2	3629.2	15223.6	11626.1	3597.5
1999	55636.9	41920.4	13716.5	32951.5	30527.3	2424.2	2536.6	16159.8	13736.5	2423.3
2000	61516	45854.6	15661.4	34842.8	33844.4	998.4	2390.2	20634.4	18638.8	1995.6
2001	66878.3	49213.2	17665.1	39769.4	37754.5	2014.9	2324.7	22024.4	20159.2	1865.2
2002	71691.2	52571.3	19119.9	45565	43632.1	1932.9	3094.1	26947.9	24430.3	2517.6
2003	77449.5	56834.4	20615.1	55963	53490.7	2472.3	2986.3	36287.9	34195.6	2092.3
2004	87032.9	63833.5	23199.4	69168.4	65117.7	4050.7	4079.1	49103.3	46435.8	2667.5
2005	97822.7	71217.5	26605.2	80646.3	77304.8	3341.5	10223.1	62648.1	54273.7	8374.4
2006	110595.3	80476.9	30118.4	94402	90150.9	4251.1	16654	77594.6	63376.9	14217.7
2007	128793.8	93602.9	35190.9	110919.4	105435.9	5483.6	23380.6	93455.6	73284.6	20171.1
2008	149112.6	108392.2	40720.4	133612.3	126209.5	7402.9	24134.9	100394.9	79526.5	20868.4

All values are measured in current prices, in 100 million yuan.

Table 3: Value Added by Sector, CSY

year	Gross Domestic Product				Indices of Gross Domestic Product			
	Total	Primary	Secondary	Tertiary	Total	Primary	Secondary	Tertiary
1978	3645.2	1027.5	1745.2	872.5	100.0	100.0	100.0	100.0
1979	4062.6	1270.2	1913.5	878.9	107.6	106.1	108.2	107.9
1980	4545.6	1371.6	2192.0	982.0	116.0	104.6	122.9	114.3
1981	4891.6	1559.5	2255.5	1076.6	122.1	111.9	125.2	126.2
1982	5323.4	1777.4	2383.0	1163.0	133.1	124.8	132.1	142.6
1983	5962.7	1978.4	2646.2	1338.1	147.6	135.1	145.8	164.3
1984	7208.1	2316.1	3105.7	1786.3	170.0	152.6	166.9	196.0
1985	9016.0	2564.4	3866.6	2585.0	192.9	155.4	197.9	231.7
1986	10275.2	2788.7	4492.7	2993.8	210.0	160.5	218.2	259.6
1987	12058.6	3233.0	5251.6	3574.0	234.3	168.1	248.1	296.8
1988	15042.8	3865.4	6587.2	4590.3	260.7	172.3	284.1	335.9
1989	16992.3	4265.9	7278.0	5448.4	271.3	177.6	294.8	353.9
1990	18667.8	5062.0	7717.4	5888.4	281.7	190.7	304.1	362.1
1991	21781.5	5342.2	9102.2	7337.1	307.6	195.2	346.3	394.3
1992	26923.5	5866.6	11699.5	9357.4	351.4	204.4	419.5	443.3
1993	35333.9	6963.8	16454.4	11915.7	400.4	214.0	502.8	497.4
1994	48197.9	9572.7	22445.4	16179.8	452.8	222.6	595.2	552.5
1995	60793.7	12135.8	28679.5	19978.5	502.3	233.7	677.7	606.9
1996	71176.6	14015.4	33835.0	23326.2	552.6	245.6	759.8	664.1
1997	78973.0	14441.9	37543.0	26988.1	603.9	254.2	839.4	735.3
1998	84402.3	14817.6	39004.2	30580.5	651.2	263.1	914.2	796.8
1999	89677.1	14770.0	41033.6	33873.4	700.9	270.5	988.6	871.2
2000	99214.6	14944.7	45555.9	38714.0	759.9	277.0	1081.8	956.1
2001	109655.2	15781.3	49512.3	44361.6	823.0	284.8	1173.1	1054.2
2002	120332.7	16537.0	53896.8	49898.9	897.8	293.0	1288.4	1164.2
2003	135822.8	17381.7	62436.3	56004.7	987.8	300.3	1451.7	1274.9
2004	159878.3	21412.7	73904.3	64561.3	1087.4	319.3	1613.0	1403.1
2005	184937.4	22420.0	87598.1	74919.3	1210.4	336.0	1807.9	1574.7
2006	216314.4	24040.0	103719.5	88554.9	1363.8	352.8	2050.0	1797.3
2007	265810.3	28627.0	125831.4	111351.9	1557.0	366.0	2358.8	2084.6
2008	314045.4	33702.0	149003.4	131340.0	1707.0	385.6	2591.8	2301.4
2009	340902.8	35226.0	157638.8	148038.0	1864.3	401.8	2849.4	2521.5
2010	401512.8	40533.6	187383.2	173596.0	2059.0	418.9	3198.4	2767.5
2011	473104.0	47486.2	220412.8	205205.0	2250.5	436.8	3527.4	3028.0
2012	518942.1	52373.6	235162.0	231406.5	2422.7	456.6	3806.6	3272.0

The left panel is measured in current prices, in 100 million yuan.

The right panel reports chained quantity indexes.

Table 4: Value Added and by Expenditure Approach, CSY

year	Gross Domestic Product by Expenditure Approach							Total Value of Exports and Imports		
	Consumption	Households	Government	GCF	GFCF	Inventories	Net Exports	Exports	Imports	Balance
1978	2239.1	1759.1	480.0	1377.9	1073.9	304.0	-11.4	167.6	187.4	-19.8
1979	2633.7	2011.5	622.2	1478.9	1153.1	325.8	-20.0			
1980	3007.9	2331.2	676.7	1599.7	1322.4	277.3	-14.7	271.2	298.8	-27.6
1981	3361.5	2627.9	733.6	1630.2	1339.3	290.9	17.1			
1982	3714.8	2902.9	811.9	1784.2	1503.2	281.0	91.0			
1983	4126.4	3231.1	895.3	2039.0	1723.3	315.7	50.8			
1984	4846.3	3742.0	1104.3	2515.1	2147.0	368.1	1.3			
1985	5986.3	4687.4	1298.9	3457.5	2672.0	785.5	-367.1	808.9	1257.8	-448.9
1986	6821.8	5302.1	1519.7	3941.9	3139.7	802.2	-255.2			
1987	7804.6	6126.1	1678.5	4462.0	3798.7	663.3	10.8			
1988	9839.5	7868.1	1971.4	5700.2	4701.9	998.3	-151.1			
1989	11164.2	8812.6	2351.6	6332.7	4419.4	1913.3	-185.6			
1990	12090.5	9450.9	2639.6	6747.0	4827.8	1919.2	510.3	2985.8	2574.3	411.5
1991	14091.9	10730.6	3361.3	7868.0	6070.3	1797.7	617.5	3827.1	3398.7	428.4
1992	17203.3	13000.1	4203.2	10086.3	8513.7	1572.6	275.6	4676.3	4443.3	233.0
1993	21899.9	16412.1	5487.8	15717.7	13309.2	2408.5	-679.5	5284.8	5986.2	-701.4
1994	29242.2	21844.2	7398.0	20341.1	17312.7	3028.4	634.1	10421.8	9960.1	461.7
1995	36748.2	28369.7	8378.5	25470.1	20885.0	4585.1	998.6	12451.8	11048.1	1403.7
1996	43919.5	33955.9	9963.6	28784.9	24048.1	4736.8	1459.2	12576.4	11557.4	1019.0
1997	48140.6	36921.5	11219.1	29968.0	25965.0	4003.0	3549.9	15160.7	11806.5	3354.2
1998	51588.2	39229.3	12358.9	31314.2	28569.0	2745.2	3629.2	15223.6	11626.1	3597.5
1999	55636.9	41920.4	13716.5	32951.5	30527.3	2424.2	2536.6	16159.8	13736.4	2423.4
2000	61516.0	45854.6	15661.4	34842.8	33844.4	998.4	2390.2	20634.4	18638.8	1995.6
2001	66933.9	49435.9	17498.0	39769.4	37754.5	2014.9	2324.7	22024.4	20159.2	1865.2
2002	71816.5	53056.6	18759.9	45565.0	43632.1	1932.9	3094.1	26947.9	24430.3	2517.6
2003	77685.5	57649.8	20035.7	55963.0	53490.7	2472.3	2964.9	36287.9	34195.6	2092.3
2004	87552.6	65218.5	22334.1	69168.4	65117.7	4050.7	4235.6	49103.3	46435.8	2667.5
2005	99357.5	72958.7	26398.8	77856.8	74232.9	3624.0	10209.1	62648.1	54273.7	8374.4
2006	113103.8	82575.5	30528.4	92954.1	87954.1	5000.0	16654.6	77597.2	63376.9	14220.3
2007	132232.9	96332.5	35900.4	110943.2	103948.6	6994.6	23423.1	93563.6	73300.1	20263.5
2008	153422.5	111670.4	41752.1	138325.3	128084.4	10240.9	24226.8	100394.9	79526.5	20868.4
2009	169274.8	123584.6	45690.2	164463.2	156679.8	7783.4	15037.0	82029.7	68618.4	13411.3
2010	194115.0	140758.6	53356.3	193603.9	183615.2	9988.7	15097.6	107022.8	94699.3	12323.5
2011	232111.5	168956.6	63154.9	228344.3	216203.3	121401.0	12163.3	123240.6	113161.4	10079.2
2012	261832.8	190423.8	71409.0	252773.2	239333.4	13439.8	14632.4	129359.3	114801.0	14558.3

All values are measured in current prices, in 100 million yuan.

Table 5: Value Added by Sector, Merge of CSY and 60Y

year	Gross Domestic Product				Indices of Gross Domestic Product			
	Total	Primary	Secondary	Tertiary	Total	Primary	Secondary	Tertiary
1952	679	346	142	191	100	100.0	100.0	100.0
1953	824.2	381	193	250	116	101.9	135.8	124.9
1954	859.4	396	212	252	120	103.6	157.1	124.4
1955	910.8	425	222	264	129	111.8	169.0	130.4
1956	1029.0	448	281	300	148	117.0	227.3	147.7
1957	1069.3	434	317	318	156	120.6	245.5	154.6
1958	1308.2	450	484	375	189	121.1	375.4	182.6
1959	1440.4	387	616	438	205	101.9	472.3	211.0
1960	1457.5	344	648	466	205	85.2	498.6	221.5
1961	1220.9	445	389	387	149	86.5	288.8	164.3
1962	1151.2	457	359	335	140	90.4	257.8	149.0
1963	1236.4	502	408	327	155	100.6	295.2	155.5
1964	1455.5	564	514	378	183	113.6	370.8	179.6
1965	1717.2	657	602	458	214	124.6	460.6	208.1
1966	1873.1	708	710	455	237	133.6	564.0	204.1
1967	1780.3	721	603	457	224	136.1	483.3	205.2
1968	1730.2	733	537	460	214	134.0	438.7	206.5
1969	1945.8	743	689	514	251	135.1	584.0	234.3
1970	2261.3	800	912	549	299	145.5	787.3	250.9
1971	2435.3	834	1023	579	320	148.2	884.2	265.5
1972	2530.2	835	1084	611	332	146.9	943.6	279.1
1973	2733.4	916	1173	645	359	160.1	1022.1	294.3
1974	2803.7	954	1192	658	367	166.7	1036.4	298.8
1975	3013.1	980	1371	663	399	170.1	1200.2	313.5
1976	2961.5	976	1337	649	392	167.1	1170.3	314.7
1977	3221.1	951	1509	761	422	163.4	1325.8	345.0
1978	3645.2	1028	1745	872	471	170.1	1525.2	392.7
1979	4062.6	1270	1914	879	507	180.6	1650.2	423.5
1980	4545.6	1372	2192	982	547	177.9	1874.1	448.9
1981	4891.6	1559	2256	1077	576	190.3	1909.1	495.7
1982	5323.4	1777	2383	1163	628	212.3	2015.3	560.0
1983	5962.7	1978	2646	1338	696	229.9	2224.2	645.0
1984	7208.1	2316	3106	1786	801	259.6	2546.2	769.8
1985	9016.0	2564	3867	2585	909	264.3	3019.0	909.6
1986	10275.2	2789	4493	2994	990	273.1	3327.6	1019.1
1987	12058.6	3233	5252	3574	1104	286.0	3783.3	1165.5
1988	15042.8	3865	6587	4590	1229	293.2	4332.6	1318.8
1989	16992.3	4266	7278	5448	1279	302.3	4495.8	1389.5
1990	18667.8	5062	7717	5888	1328	324.4	4638.3	1422.0
1991	21781.5	5342	9102	7337	1450	332.2	5280.9	1548.1
1992	26923.5	5867	11700	9357	1656	347.8	6398.0	1740.8
1993	35333.9	6964	16454	11916	1888	364.2	7669.1	1952.9
1994	48197.9	9573	22445	16180	2134	378.7	9077.1	2169.5
1995	60793.7	12136	28679	19978	2368	397.7	10336.6	2383.0
1996	71176.6	14015	33835	23326	2605	417.9	11587.9	2607.6
1997	78973.0	14442	37543	26988	2847	432.6	12802.2	2887.0
1998	84402.3	14818	39004	30580	3070	447.7	13943.0	3128.8
1999	89677.1	14770	41034	33873	3304	460.2	15077.3	3420.7
2000	99214.6	14945	45556	38714	3582	471.3	16499.0	3754.1
2001	109655.2	15781	49512	44362	3880	484.5	17891.8	4139.2
2002	120332.7	16537	53897	49899	4232	498.5	19650.4	4571.4
2003	135822.8	17382	62436	56005	4656	511.0	22140.5	5005.9
2004	159878.3	21413	73904	64561	5126	543.2	24600.8	5509.3
2005	184937.4	22420	87598	74919	5705	571.6	27573.2	6183.1
2006	216314.4	24040	103720	88555	6429	600.2	31265.5	7057.2
2007	265810.3	28627	125831	111352	7339	622.7	35975.2	8185.3
2008	314045.4	33702	149003	131340	8046	656.1	39528.6	9036.8
2009	340902.8	35226	157639	148038	8788	683.6	43457.9	9901.0
2010	401512.8	40534	187383	173596	9706	712.8	48781.6	10866.6
2011	473104.0	47486	220413	205205	10608	743.1	53798.6	11889.8
2012	518942.1	52374	235162	231406	11420	776.9	58057.5	12847.6

The left panel is measured in current prices, in 100 million yuan.

The right panel reports chained quantity indexes.

Table 6: Value Added and by Expenditure Approach, Merge of CSY and 60Y

year	Gross Domestic Product by Expenditure Approach							Total Value of Exports and Imports		
	Consumption	Households	Government	GCF	GFCF	Inventories	Net Exports	Exports	Imports	Balance
1952	546.3	453.0	93.3	153.7	80.7	73.0	-7.8	27.1	37.5	-10.4
1953	644.4	529.2	115.2	198.3	115.3	83.0	-8.4	34.8	46.1	-11.3
1954	654.1	550.0	104.1	226.9	140.9	86.0	-2.7	40	44.7	-4.7
1955	722.3	602.6	119.7	221.5	145.5	76.0	-8.9	48.7	61.1	-12.4
1956	772.6	646.8	125.8	257.6	219.6	38.0	4.0	55.7	53	2.7
1957	816.4	686.6	129.8	280.0	187.0	93.0	5.5	54.5	50	4.5
1958	852.6	724.0	128.6	432.0	333.0	99.0	6.6	67	61.7	5.3
1959	821.5	691.2	130.3	621.7	435.7	186.0	8.1	78.1	71.2	6.9
1960	932.6	741.7	190.9	575.0	473.0	102.0	0.4	63.3	65.1	-1.8
1961	995.1	816.7	178.4	274.6	227.6	47.0	5.5	47.7	43	4.7
1962	985.7	838.7	147.0	178.1	175.1	3.0	12.6	47.1	33.8	13.3
1963	1014.3	844.2	170.1	265.3	215.3	50.0	13.5	50	35.7	14.3
1964	1078.6	889.6	189.0	350.3	290.3	60.0	12.9	55.4	42.1	13.3
1965	1158.6	951.5	207.1	462.1	350.1	112.0	8.5	63.1	55.3	7.8
1966	1251.3	1021.1	230.2	569.8	406.8	163.0	6.2	66	61.1	4.9
1967	1275.7	1081.5	194.2	425.7	323.7	102.0	6.3	58.8	53.4	5.4
1968	1269.1	1076.6	192.5	432.2	300.2	132.0	7.4	57.6	50.9	6.7
1969	1359.4	1127.7	231.7	485.9	406.9	79.0	12.4	59.8	47.2	12.6
1970	1459.7	1206.8	252.9	744.9	545.9	199.0	2.4	56.8	56.1	0.7
1971	1557.9	1262.0	295.9	819.0	603.0	216.0	15.6	68.5	52.4	16.1
1972	1644.3	1334.2	310.1	791.1	622.1	169.0	18.4	82.9	64	18.9
1973	1751.3	1432.5	318.8	903.5	664.5	239.0	14.8	116.9	103.6	13.3
1974	1809.6	1467.0	342.6	936.1	748.1	188.0	-7.0	139.4	152.8	-13.4
1975	1887.4	1528.5	358.9	1062.3	880.3	182.0	0.7	143	147.4	-4.4
1976	1969.5	1588.5	381.0	990.1	865.1	125.0	8.7	134.8	129.3	5.5
1977	2057.8	1647.8	410.0	1098.1	911.1	187.0	10.1	139.7	132.8	6.9
1978	2239.1	1759.1	480.0	1377.9	1073.9	304.0	-11.4	167.6	187.4	-19.8
1979	2633.7	2011.5	622.2	1478.9	1153.1	325.8	-20.0	211.7	242.9	-31.2
1980	3007.9	2331.2	676.7	1599.7	1322.4	277.3	-14.7	271.2	298.8	-27.6
1981	3361.5	2627.9	733.6	1630.2	1339.3	290.9	17.1	367.6	367.7	-0.1
1982	3714.8	2902.9	811.9	1784.2	1503.2	281.0	91.0	413.8	357.5	56.3
1983	4126.4	3231.1	895.3	2039.0	1723.3	315.7	50.8	438.3	421.8	16.5
1984	4846.3	3742.0	1104.3	2515.1	2147.0	368.1	1.3	580.5	620.5	-40
1985	5986.3	4687.4	1298.9	3457.5	2672.0	785.5	-367.1	808.9	1257.8	-448.9
1986	6821.8	5302.1	1519.7	3941.9	3139.7	802.2	-255.2	1082.1	1498.3	-416.2
1987	7804.6	6126.1	1678.5	4462.0	3798.7	663.3	10.8	1470	1614.2	-144.2
1988	9839.5	7868.1	1971.4	5700.2	4701.9	998.3	-151.1	1766.7	2055.1	-288.4
1989	11164.2	8812.6	2351.6	6332.7	4419.4	1913.3	-185.6	1956	2199.9	-243.9
1990	12090.5	9450.9	2639.6	6747.0	4827.8	1919.2	510.3	2985.8	2574.3	411.5
1991	14091.9	10730.6	3361.3	7868.0	6070.3	1797.7	617.5	3827.1	3398.7	428.4
1992	17203.3	13000.1	4203.2	10086.3	8513.7	1572.6	275.6	4676.3	4443.3	233
1993	21899.9	16412.1	5487.8	15717.7	13309.2	2408.5	-679.5	5284.8	5986.2	-701.4
1994	29242.2	21844.2	7398.0	20341.1	17312.7	3028.4	634.1	10421.8	9960.1	461.7
1995	36748.2	28369.7	8378.5	25470.1	20885.0	4585.1	998.6	12451.8	11048.1	1403.7
1996	43919.5	33955.9	9963.6	28784.9	24048.1	4736.8	1459.2	12576.4	11557.4	1019
1997	48140.6	36921.5	11219.1	29968.0	25965.0	4003.0	3549.9	15160.7	11806.5	3354.2
1998	51588.2	39229.3	12358.9	31314.2	28569.0	2745.2	3629.2	15223.6	11626.1	3597.5
1999	55636.9	41920.4	13716.5	32951.5	30527.3	2424.2	2536.6	16159.8	13736.4	2423.4
2000	61516.0	45854.6	15661.4	34842.8	33844.4	998.4	2390.2	20634.4	18638.8	1995.6
2001	66933.9	49435.9	17498.0	39769.4	37754.5	2014.9	2324.7	22024.4	20159.2	1865.2
2002	71816.5	53056.6	18759.9	45565.0	43632.1	1932.9	3094.1	26947.9	24430.3	2517.6
2003	77685.5	57649.8	20035.7	55963.0	53490.7	2472.3	2964.9	36287.9	34195.6	2092.3
2004	87552.6	65218.5	22334.1	69168.4	65117.7	4050.7	4235.6	49103.3	46435.8	2667.5
2005	99357.5	72958.7	26398.8	77856.8	74232.9	3624.0	10209.1	62648.1	54273.7	8374.4
2006	113103.8	82575.5	30528.4	92954.1	87954.1	5000.0	16654.6	77597.2	63376.9	14220.3
2007	132232.9	96332.5	35900.4	110943.2	103948.6	6994.6	23423.1	93563.6	73300.1	20263.5
2008	153422.5	111670.4	41752.1	138325.3	128084.4	10240.9	24226.8	100394.9	79526.5	20868.4
2009	169274.8	123584.6	45690.2	164463.2	156679.8	7783.4	15037.0	82029.7	68618.4	13411.3
2010	194115.0	140758.6	53356.3	193603.9	183615.2	9988.7	15097.6	107022.8	94699.3	12323.5
2011	232111.5	168956.6	63154.9	228344.3	216203.3	121401.0	12163.3	123240.6	113161.4	10079.2
2012	261832.8	190423.8	71409.0	252773.2	239333.4	13439.8	14632.4	129359.3	114801.0	14558.3

All values are measured in current prices, in 100 million yuan.

agricultural sectors for 1952-2011. These data come from two sources. The pre-1978 data come from CSY for year 1981. The post-1978 data come from CSY for years 1996-2013 from the official website. Two other columns report the factor share of income earned by labor in agriculture and non-agriculture, computed from Bai and Qian (2010), "The Factor Income Distribution in China 1978-2007."

We use the data on the labor share from Bai and Qian (2010) as a robustness check for our wage series. Figure 1 compares the ratios of agricultural to non-agricultural wage rates computed for staff and workers from the CSY (our baseline estimate) and inferred from the labor shares reported by Bai and Qian (alternative estimate) for the overlapping period 1978-2007. From Figure 1 we conclude that the ratio of agricultural to non-agricultural staff and worker wages follows the same trend as the ratio of labor remuneration in agriculture per agricultural worker to labor remuneration in non-agriculture per non-agricultural worker.

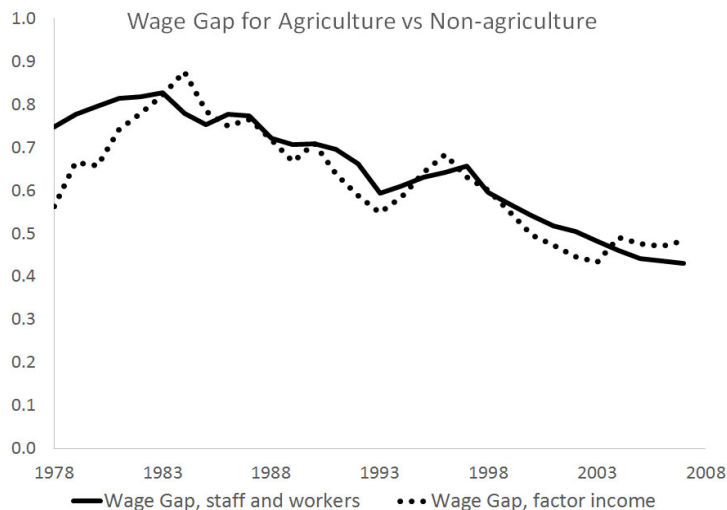


Figure 1. Measures of the wage ratio for agriculture and non-agriculture.

13.3 Labor Inputs

In Table 9 we report total population, total employment, employment in primary, secondary and tertiary sectors, measured in tens of thousand, from "60 Years of New China" (see previous section).

In Table 10 we report total population, total employment, employment in primary, secondary and tertiary sectors, measured in tens of thousand, from "China Statistical Yearbook".

Table 7: Price indices, Merge of CSY and 60Y, CSY 1981

year	Price Indices (1978=1)					
	GDP deflator	Agric. deflator	Non-ag. deflator	Rel. price ag goods	Farm prices	Ex-Factory prices
1952	0.878	0.573	1.966	0.291	0.559	1.387
1953	0.922	0.620	1.588	0.390	0.609	1.342
1954	0.922	0.632	1.516	0.417	0.629	1.321
1955	0.915	0.629	1.517	0.415	0.621	1.304
1956	0.899	0.634	1.325	0.478	0.640	1.207
1957	0.889	0.596	1.339	0.445	0.672	1.210
1958	0.897	0.615	1.180	0.521	0.687	1.202
1959	0.907	0.629	1.084	0.581	0.700	1.210
1960	0.921	0.668	1.043	0.640	0.724	1.201
1961	1.062	0.852	1.236	0.690	0.926	1.261
1962	1.061	0.837	1.286	0.651	0.920	1.310
1963	1.033	0.826	1.247	0.662	0.894	1.303
1964	1.029	0.822	1.224	0.672	0.872	1.277
1965	1.037	0.873	1.174	0.743	0.864	1.217
1966	1.022	0.878	1.135	0.774	0.901	1.165
1967	1.030	0.876	1.169	0.750	0.899	1.151
1968	1.043	0.906	1.175	0.771	0.898	1.126
1969	1.004	0.911	1.072	0.850	0.897	1.088
1970	0.977	0.911	1.018	0.895	0.897	1.040
1971	0.983	0.931	1.012	0.920	0.912	1.034
1972	0.984	0.941	1.007	0.934	0.925	1.028
1973	0.986	0.947	1.007	0.940	0.933	1.023
1974	0.988	0.947	1.011	0.937	0.941	1.013
1975	0.977	0.954	0.989	0.964	0.960	1.010
1976	0.976	0.967	0.981	0.986	0.965	1.007
1977	0.987	0.963	0.997	0.966	0.962	0.998
1978	1.000	1.000	1.000	1.000	1.000	1.000
1979	1.036	1.165	0.986	1.181	1.221	1.016
1980	1.075	1.277	1.006	1.269	1.308	1.021
1981	1.099	1.357	1.009	1.344	1.385	1.023
1982	1.097	1.387	0.993	1.397	1.415	1.021
1983	1.108	1.425	0.998	1.427	1.478	1.020
1984	1.163	1.478	1.057	1.398	1.537	1.034
1985	1.282	1.606	1.187	1.353	1.669	1.124
1986	1.343	1.691	1.247	1.356	1.776	1.167
1987	1.412	1.872	1.295	1.445	1.989	1.259
1988	1.583	2.183	1.446	1.510	2.446	1.448
1989	1.718	2.337	1.578	1.481	2.813	1.717
1990	1.818	2.584	1.637	1.578	2.740	1.788
1991	1.943	2.663	1.786	1.491	2.685	1.899
1992	2.102	2.793	1.967	1.420	2.776	2.028
1993	2.421	3.166	2.288	1.384	3.148	2.515
1994	2.920	4.185	2.716	1.541	4.405	3.005
1995	3.320	5.053	3.059	1.652	5.281	3.453
1996	3.534	5.553	3.245	1.711	5.503	3.553
1997	3.587	5.528	3.326	1.662	5.255	3.542
1998	3.555	5.480	3.308	1.657	4.835	3.397
1999	3.510	5.314	3.290	1.615	4.245	3.315
2000	3.582	5.251	3.390	1.549	4.092	3.408
2001	3.655	5.394	3.467	1.556	4.125	3.364
2002	3.677	5.493	3.493	1.572	4.113	3.290
2003	3.772	5.632	3.598	1.565	4.294	3.366
2004	4.033	6.527	3.808	1.714	4.856	3.571
2005	4.192	6.495	3.996	1.625	4.924	3.746
2006	4.351	6.632	4.172	1.590	4.983	3.859
2007	4.684	7.613	4.476	1.701	5.905	3.978
2008	5.047	8.505	4.812	1.767	6.738	4.252
2009	5.017	8.532	4.789	1.782	6.576	4.023
2010	5.350	9.416	5.102	1.845	7.293	4.244
2011	5.767	10.581	5.488	1.928	8.496	4.500
2012	5.876	11.163	5.580	2.001	8.725	4.423

Table 8: Labor Income by Sector (CSY, Bai Qian (2010), CSY 1981)

year	Hourly Wages in		Labor Share in	
	Agriculture	Non-agriculture	Agriculture	Non-agriculture
1952	375.0	447.1		
1953	433.0	497.5		
1954	459.0	520.2		
1955	461.0	536.0		
1956	498.0	614.0		
1957	501.0	643.5		
1958	471.0	553.5		
1959	411.0	531.7		
1960	365.0	542.9		
1961	362.0	556.7		
1962	392.0	616.3		
1963	421.0	669.1		
1964	433.0	689.7		
1965	433.0	679.9		
1966	428.0	663.9		
1967	426.0	657.6		
1968	419.0	649.8		
1969	418.0	645.9		
1970	419.0	634.4		
1971	426.0	619.0		
1972	423.0	646.9		
1973	436.0	636.7		
1974	483.0	639.7		
1975	460.0	632.4		
1976	459.0	623.6		
1977	459.0	620.4		
1978	470.0	628.9	0.895	0.417
1979	528.0	680.2	0.891	0.423
1980	616.0	773.9	0.894	0.427
1981	637.0	782.6	0.908	0.430
1982	661.0	808.4	0.901	0.434
1983	691.0	836.1	0.908	0.431
1984	770.0	988.5	0.911	0.442
1985	878.0	1166.1	0.917	0.448
1986	1048.0	1347.3	0.906	0.461
1987	1143.0	1479.1	0.896	0.458
1988	1280.0	1775.7	0.893	0.471
1989	1389.0	1967.9	0.887	0.474
1990	1541.0	2175.2	0.886	0.494
1991	1652.0	2375.9	0.889	0.490
1992	1828.0	2758.7	0.887	0.476
1993	2042.0	3437.5	0.879	0.487
1994	2819.0	4620.5	0.873	0.498
1995	3522.0	5591.6	0.883	0.504
1996	4050.0	6303.7	0.888	0.499
1997	4311.0	6564.0	0.888	0.506
1998	4528.0	7615.7	0.889	0.509
1999	4832.0	8508.1	0.887	0.506
2000	5184.0	9563.1	0.879	0.503
2001	5741.0	11097.3	0.876	0.499
2002	6398.0	12677.8	0.871	0.498
2003	6884.0	14293.6	0.861	0.484
2004	7497.0	16284.0	0.865	0.494
2005	8207.0	18596.6	0.862	0.493
2006	9269.0	21289.1	0.858	0.492
2007	10847.0	25205.4	0.855	0.497
2008	12560.0	29428.9		
2009	14356.0	32796.5		
2010	16717.0	37130.9		
2011	19469.0	42371.2		
2012				

The left panel is measured in current prices, in yuan.

Table 9: Employment and Population, 60Y

year	Population	Employment			
		Total	Primary	Secondary	Tertiary
1952	57482	20729	17317	1531	1881
1953	58796	21364	17747	1715	1902
1954	60266	21832	18151	1882	1799
1955	61465	22328	18592	1913	1823
1956	62828	23018	18544	2468	2006
1957	64653	23771	19309	2142	2320
1958	65994	26600	15490	7076	4034
1959	67207	26173	16271	5402	4500
1960	66207	25880	17016	4112	4752
1961	65859	25590	19747	2856	2987
1962	67295	25910	21276	2059	2575
1963	69172	26640	21966	2038	2636
1964	70499	27736	22801	2183	2752
1965	72538	28670	23396	2408	2866
1966	74542	29805	24297	2600	2908
1967	76368	30814	25165	2661	2988
1968	78534	31915	26063	2743	3109
1969	80671	33225	27117	3030	3078
1970	82992	34432	27811	3518	3103
1971	85229	35620	28397	3990	3233
1972	87177	35854	28283	4276	3295
1973	89211	36652	28857	4492	3303
1974	90859	37369	29218	4712	3439
1975	92420	38168	29456	5152	3560
1976	93717	38834	29443	5611	3780
1977	94974	39377	29340	5831	4206
1978	96259	40152	28318	6945	4890
1979	97542	41024	28634	7214	5177
1980	98705	42361	29122	7707	5532
1981	100072	43725	29777	8003	5945
1982	101654	45295	30859	8346	6090
1983	103008	46436	31151	8679	6606
1984	104357	48197	30868	9590	7739
1985	105851	49873	31130	10384	8359
1986	107507	51282	31254	11216	8811
1987	109300	52783	31663	11726	9395
1988	111026	54334	32249	12152	9933
1989	112704	55329	33225	11976	10129
1990	114333	64749	38914	13856	11979
1991	115823	65491	39098	14015	12378
1992	117171	66152	38699	14355	13098
1993	118517	66808	37680	14965	14163
1994	119850	67455	36628	15312	15515
1995	121121	68065	35530	15655	16880
1996	122389	68950	34820	16203	17927
1997	123626	69820	34840	16547	18432
1998	124761	70637	35177	16600	18860
1999	125786	71394	35768	16421	19205
2000	126743	72085	36043	16219	19823
2001	127627	73025	36513	16284	20228
2002	128453	73740	36870	15780	21090
2003	129227	74432	36546	16077	21809
2004	129988	75200	35269	16920	23011
2005	130756	75825	33970	18084	23771
2006	131448	76400	32561	19225	24614
2007	132129	76990	31444	20629	24917
2008	132802	77480	30654	21109	25717

Employment and population are measured in 10000 persons.

Table 10: Employment and Population, CSY

year	Population	Employment			
		Total	Primary	Secondary	Tertiary
1978	96259	40152	28318	6945	4890
1979	97542	41024	28634	7214	5177
1980	98705	42361	29122	7707	5532
1981	100072	43725	29777	8003	5945
1982	101654	45295	30859	8346	6090
1983	103008	46436	31151	8679	6606
1984	104357	48197	30868	9590	7739
1985	105851	49873	31130	10384	8359
1986	107507	51282	31254	11216	8811
1987	109300	52783	31663	11726	9395
1988	111026	54334	32249	12152	9933
1989	112704	55329	33225	11976	10129
1990	114333	64749	38914	13856	11979
1991	115823	65491	39098	14015	12378
1992	117171	66152	38699	14355	13098
1993	118517	66808	37680	14965	14163
1994	119850	67455	36628	15312	15515
1995	121121	68065	35530	15655	16880
1996	122389	68950	34820	16203	17927
1997	123626	69820	34840	16547	18432
1998	124761	70637	35177	16600	18860
1999	125786	71394	35768	16421	19205
2000	126743	72085	36043	16219	19823
2001	127627	72797	36399	16234	20165
2002	128453	73280	36640	15682	20958
2003	129227	73736	36204	15927	21605
2004	129988	74264	34830	16709	22725
2005	130756	74647	33442	17766	23439
2006	131448	74978	31941	18894	24143
2007	132129	75321	30731	20186	24404
2008	132802	75564	29923	20553	25087
2009	133450	75828	28890	21080	25857
2010	134091	76105	27931	21842	26332
2011	134735	76420	26594	22544	27282
2012	135404	76704	25773	23241	27690

Employment and population are measured in 10000 persons.

Table 11 reports merged series for population and employment by sector, for 1952-2012. We are interested in the division of economic activity into agricultural and non-agricultural. For this purpose, we treat the primary sector as agricultural, and add up employment in the secondary and tertiary sectors to obtain employment in the non-agricultural sector.

At this point, we incorporate a correction proposed by Holz (2006), Appendix 13, page 236. The correction takes care of the reclassification of employed workers that was made by the NBS in 1990. As a consequence, for years prior to 1990 total employment values are adjusted up by a factor of approximately 1,1666. This correction increases the size of total employment, but does not tell us anything about sectoral employment. To adjust also the breakdown of employment into agricultural and non-agricultural activity, we use the proportions obtained from the official series, as described earlier.

13.4 Capital Inputs

We use Holz (2006), Tables 19 and 20 on pages 159-161, as our main source for aggregate and sectoral capital stock. We repeat the data on total and primary capital stock in current and 2000 prices in the right two panels of Table 13. We convert the series for total capital stock to 1978 yuan using the GDP deflator (see subsection on prices and wages).

We use the level of capital and its ratio to GDP in 1953 to estimate the initial level of capital in 1978 prices. We apply the perpetual inventory method (with a depreciation rate of 5 percent) to our series for real investment in 1978 prices (computed using Gross Fixed Capital Formation as share of GDP) to obtain the series for aggregate capital in 1978 prices. The series that we obtain is largely consistent with Holz's estimates of aggregate capital stock for 1953-2006, with two minor differences: Holz computes capital in constant 2000 prices and uses a variable depreciation rate which ranges between 3 and 5 percent.

We also use data from Holz (2006) to divide the aggregate capital stock into capital used in the agricultural (primary) and non-agricultural sectors. This sectoral division of capital stock is only available for 1978-2011.

For earlier years we use the data on sectoral investment from Chow (1993) to estimate the composition of capital stock by sector. As shown in Table 12, we use net capital stock accumulation by sector from Table 5 on page 820 in Chow (1993), and then apply the perpetual inventory method to accumulate sectoral capital stock for 1953-1978. As initial values we use

Table 11: Employment and Population, Merge of CSY, 60Y, Holz's correction

year	Population	Employment		
		Total	Agriculture	Non-agriculture
1952	574.82	241.83	202.03	39.81
1953	587.96	249.24	207.04	42.20
1954	602.66	254.70	211.76	42.94
1955	614.65	260.49	216.90	43.59
1956	628.28	268.54	216.34	52.20
1957	646.53	277.32	225.27	52.06
1958	659.94	310.33	180.71	129.61
1959	672.07	305.35	189.82	115.52
1960	662.07	301.93	198.52	103.41
1961	658.59	298.54	230.38	68.17
1962	672.95	302.28	248.21	54.06
1963	691.72	310.79	256.26	54.53
1964	704.99	323.58	266.01	57.57
1965	725.38	334.48	272.95	61.53
1966	745.42	347.72	283.46	64.26
1967	763.68	359.49	293.59	65.90
1968	785.34	372.33	304.06	68.27
1969	806.71	387.62	316.36	71.26
1970	829.92	401.70	324.45	77.24
1971	852.29	415.56	331.29	84.27
1972	871.77	418.29	329.96	88.33
1973	892.11	427.60	336.66	90.94
1974	908.59	435.96	340.87	95.09
1975	924.20	445.28	343.65	101.64
1976	937.17	453.05	343.49	109.56
1977	949.74	459.39	342.29	117.10
1978	962.59	468.43	330.36	138.07
1979	975.42	479.67	334.79	144.88
1980	987.05	493.97	339.59	154.38
1981	1000.72	510.39	347.58	162.81
1982	1016.54	526.18	358.48	167.70
1983	1030.08	541.17	363.04	178.14
1984	1043.57	558.10	357.43	200.66
1985	1058.51	575.51	359.22	216.29
1986	1075.07	591.51	360.51	231.00
1987	1093.00	607.44	364.38	243.06
1988	1110.26	622.40	369.39	253.00
1989	1127.04	635.61	381.68	253.94
1990	1143.33	647.49	389.14	258.35
1991	1158.23	654.91	390.98	263.93
1992	1171.71	661.52	386.99	274.53
1993	1185.17	668.08	376.80	291.28
1994	1198.50	674.55	366.28	308.27
1995	1211.21	680.65	355.30	325.35
1996	1223.89	689.50	348.20	341.30
1997	1236.26	698.20	348.40	349.79
1998	1247.61	706.37	351.77	354.60
1999	1257.86	713.94	357.68	356.26
2000	1267.43	720.85	360.43	360.42
2001	1276.27	727.97	363.99	363.99
2002	1284.53	732.80	366.40	366.40
2003	1292.27	737.36	362.04	375.32
2004	1299.88	742.64	348.30	394.34
2005	1307.56	746.47	334.42	412.05
2006	1314.48	749.78	319.41	430.37
2007	1321.29	753.21	307.31	445.90
2008	1328.02	755.64	299.23	456.41
2009	1334.50	758.28	288.90	469.38
2010	1340.91	761.05	279.31	481.74
2011	1347.35	764.20	265.94	498.26
2012	1354.04	767.04	257.73	509.31

the value from the same table for non-agricultural capital, and the value of 450 for agricultural capital. We then break down by sector the total real capital stock in 1978 prices computed earlier using the relative proportions implied by Chow's data.

To check the validity of this data, we construct sectoral capital series using provincial data on investment in fixed assets by type of unit from the the China Compendium of Statistics 1949-2008 (Table 8). For 5 provinces (Fujian, Hunan, Jilin, Shanghai, Shanxi), the data on rural and urban investments go back to 1950; in case of Tianjin, they start in 1956. We attributed all the fixed asset investments of collectively-owned units in rural areas to the the agricultural sector and all fixed asset investments in other units in rural areas and all units in urban areas - to the non-agricultural sector. This gave us data on investment by sector by province. We aggregated data on agricultural and non-agricultural investment for the available provinces. We found that the share of agricultural investment in total investment from this provincial dataset traces very closely the series obtained from Chow as described above. The similarity is illustrated in Figure 2.

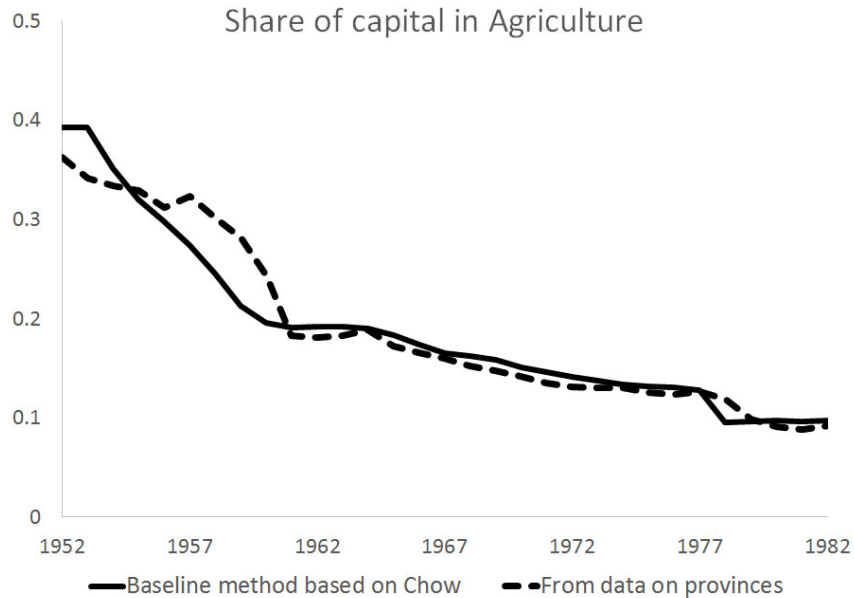


Figure 2. Measures of share of capital in agriculture.

Another source of data on sectoral capital stock for the pre-reform period is Tang (1984), Table 5. We find the series for Farm capital stock to grow at a rate similar to our baseline series, as shown in Figure 3. However, the level of Farm capital is less than half of the total agricultural capital stock in our baseline estimate, most likely because Farm capital aggregates

a restricted subset of items included in our baseline estimate.

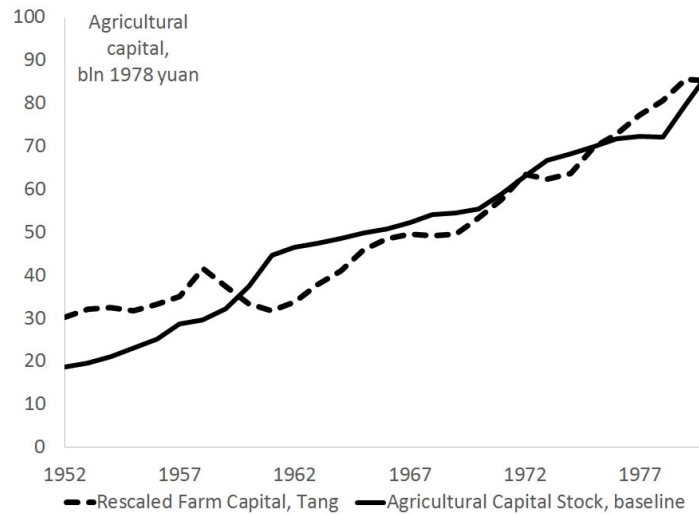


Figure 3. Measures of agricultural capital.

For the most recent period, 2003-2012, we use CSY 2013, Table 5-9, Investment in Fixed Assets, total and in the agricultural sector, to compute the breakdown of investment into agricultural investment and non-agricultural investment. Using the perpetual inventory method, we compute capital by sector in 2003-2012.

13.5 Defense Spending

The data on defense spending comes from three main sources. The earlier period of 1952- 1995 is jointly covered by HL and CSY, which report nominal defense spending in yuan. For the period 1983-2011 an alternative source of data is the website of the Stockholm International Peace Research Institute (SIPRI) which reports spending on defense for a variety of countries as a percent of GDP. For the overlapping period the trends are broadly consistent, but the exact estimates vary by a factor of 1 to 1.5. As there seems to be no reliable way of obtaining more precise estimates, we average the two available sources for the overlapping period. We obtain an estimate of real defense spending in 1978 prices using the share of defense in GDP from these two sources.

13.6 Foreign Trade

The main source for data on sectoral exports and imports is Fukao, Kiyota and Yue (2006). Fukao et. al. (2006) report data on China's exports and imports by commodity at the SITC-R

Table 12: Capital and Investment, Chow (1993)

year	Capital Stock (cur prices)			Accumulation (cur prices)			Estimates of capital stock, Chow (1993) Table 5				
	Ag	Non-Ag	Total	Ag	Non-ag	Land	Agric	Industry	Construction	Transportation	Commerce
1952	450	582.6	1032.6	8.20	126.00	720	0	248	9	152.3	173.3
1953	458.2	708.6	1166.8	7.30	150.50	720	8.2	299.1	18.2	162.6	228.7
1954	465.5	859.1	1324.6	9.10	147.30	720	15.5	366.3	27.8	179.7	285.3
1955	474.6	1006.4	1481	19.90	156.40	720	24.6	436.8	36.9	198	334.7
1956	494.5	1162.8	1657.3	14.60	186.90	720	44.5	539.2	47.5	219.3	356.8
1957	509.1	1349.7	1858.8	26.60	296.50	720	59.1	632	59.2	243.4	415.1
1958	535.7	1646.2	2181.9	28.20	439.40	720	85.7	844.4	61.6	287.4	452.8
1959	563.9	2085.6	2649.5	38.30	394.90	720	113.9	1147.8	67.4	350.4	520
1960	602.2	2480.5	3082.7	18.30	151.30	720	152.2	1436.6	73.9	406.3	563.7
1961	620.5	2631.8	3252.3	18.70	69.40	720	170.5	1545.4	76.1	427.9	582.4
1962	639.2	2701.2	3340.4	31.20	123.70	720	189.2	1600	79	437.2	585
1963	670.4	2824.9	3495.3	34.10	187.40	720	220.4	1682	83.8	445.1	614
1964	704.5	3012.3	3716.8	32.80	266.90	720	254.5	1805.5	91.1	460.5	655.2
1965	737.3	3279.2	4016.5	31.70	375.60	720	287.3	1957.2	100	494.2	727.8
1966	769	3654.8	4423.8	19.40	341.00	720	319	2198.5	108.8	537.3	810.2
1967	788.4	3995.8	4784.2	14.90	141.70	720	338.4	2352.1	114.2	563.4	966.1
1968	803.3	4137.5	4940.8	26.00	282.70	720	353.3	2496.4	118.1	584.5	938.5
1969	829.3	4420.2	5249.5	43.10	495.90	720	379.3	2682.7	125.2	621.7	990.6
1970	872.4	4916.1	5788.5	56.60	536.00	720	422.4	3001	137.1	681.6	1096.4
1971	929	5452.1	6381.1	52.50	507.20	720	479	3335.8	153.8	759.9	1202.6
1972	981.5	5959.3	6940.8	58.50	583.20	720	531.5	3657	169	836.2	1297.1
1973	1040	6542.5	7582.5	60.80	577.40	720	590	4015.7	186.1	917.1	1423.6
1974	1100.8	7119.9	8220.7	71.40	625.80	720	650.8	4384.2	204	1001.5	1530.2
1975	1172.2	7745.7	8917.9	82.30	586.70	720	722.2	4805.3	225.4	1092.7	1622.3
1976	1254.5	8332.4	9586.9	65.80	674.00	720	804.5	5239.1	246.2	1185.3	1661.8
1977	1320.3	9006.4	10326.7	137.60	828.00	720	870.3	5661.4	261.9	1263.3	1819.8
1978	1457.9	9834.4	11292.3	93.20	822.50	720	1007.9	6158.5	284.6	1383.6	2007.7
1979	1551.1	10656.9	12208	64.30	805.40	720	1101.1	6680.1	311.6	1464.9	2200.3
1980	1615.4	11462.3	13077.7	45.50	812.00	720	1165.4	7126	351	1551.1	2434.2
1981	1660.9	12274.3	13935.2	68.80	857.40	720	1210.9	7587.3	383.2	1597.5	2706.3
1982	1729.7	13131.7	14861.4	87.30	924.00	720	1279.7	8060.4	414.4	1686.8	2970.1
1983	1817	14055.7	15872.7	68.10	1071.50	720	1367	8614.4	451.7	1796.1	3193.5
1984	1885.1	15127.2	17012.3	143.50	1252.90	720	1435.1	9391.4	520.5	1957.4	3257.9
1985							1578.6	10514	606.9	2205.7	3053.5

All values are measured in current prices, in 100 million yuan.

Table 13: Capital and Investment, Merge of Holz (2006), Chow (1993), CSY

year	Merge of Holz and Chow (1978 prices)				Capital Stock, Holz (2006), Table 19		Capital Stock, Holz (2006), Table 20	
	Investment	Capital	Agric capital	Non-ag capital	2000 prices	1978 prices	Total	Primary
1952	9.2	43.0	18.7	24.3				
1953	12.5	50.0	19.6	30.4	179.2	50.0		
1954	15.3	60.0	21.1	38.9	219.4	61.2		
1955	15.9	72.3	23.2	49.1	263.6	73.6		
1956	24.4	84.6	25.2	59.4	327.2	91.4		
1957	21.0	104.8	28.7	76.1	393.3	109.8		
1958	37.1	120.6	29.6	91.0	494.2	138.0		
1959	48.0	151.7	32.3	119.4	610.6	170.5		
1960	51.4	192.1	37.5	154.6	736.7	205.7		
1961	21.4	233.9	44.6	189.3	798.2	222.9		
1962	16.5	243.6	46.6	197.0	842.5	235.2		
1963	20.8	248.0	47.6	200.4	897.4	250.6		
1964	28.2	256.4	48.6	207.8	975.9	272.5		
1965	33.8	271.8	49.9	221.9	1085.1	303.0		
1966	39.8	292.0	50.8	241.2	1188.1	331.7		
1967	31.4	317.2	52.3	264.9	1248.0	348.5		
1968	28.8	332.7	54.1	278.6	1296.8	362.1		
1969	40.5	344.9	54.5	290.4	1378.0	384.8		
1970	55.9	368.2	55.5	312.7	1511.8	422.1		
1971	61.3	405.6	59.1	346.6	1638.8	457.6		
1972	63.2	446.7	63.2	383.5	1768.0	493.7		
1973	67.4	487.6	66.9	420.7	1929.5	538.7		
1974	75.7	530.6	68.4	462.2	2101.2	586.7		
1975	90.1	579.7	69.9	509.9	2305.8	643.8		
1976	88.6	640.8	71.9	568.9	2490.6	695.4		
1977	92.3	697.4	72.4	624.9	2716.3	758.4		
1978	107.4	754.9	72.1	682.7	2994.1	836.0	267.5	25.6
1979	111.3	824.5	79.7	744.8	3321.2	927.3	291.3	28.1
1980	123.0	894.6	87.1	807.5	3665.9	1023.6	310.5	30.2
1981	121.9	972.9	93.5	879.3	3989.0	1113.8	333.9	32.1
1982	137.1	1046.1	102.1	944.0	4343.4	1212.7	356.1	34.8
1983	155.5	1130.8	109.7	1021.2	4752.3	1326.9	391.5	38.0
1984	184.6	1229.8	109.1	1120.6	5232.0	1460.8	431.7	38.3
1985	208.4	1352.9	113.6	1239.3	5756.3	1607.2	484.1	40.6
1986	233.9	1493.6	119.8	1373.8	6404.1	1788.1	555.6	44.6
1987	269.0	1652.8	133.0	1519.8	7127.6	1990.1	654.7	52.7
1988	297.0	1839.2	141.8	1697.3	7897.6	2205.1	774.2	59.7
1989	257.2	2044.2	150.5	1893.8	8593.5	2399.4	908.8	66.9
1990	265.6	2199.2	148.2	2051.1	9316.8	2601.3	1043.5	70.3
1991	312.5	2354.8	144.5	2210.3	10088.2	2816.7	1204.1	73.9
1992	405.0	2549.6	146.5	2403.1	10955.8	3059.0	1312.5	75.4
1993	549.8	2827.1	158.0	2669.1	11927.1	3330.2	1443.7	80.7
1994	592.9	3235.6	178.7	3056.9	13055.1	3645.1	1608.2	88.8
1995	629.0	3666.7	196.5	3470.2	14406.2	4022.4	1941.2	104.0
1996	680.5	4112.3	208.8	3903.6	16078.5	4489.3	2345.6	119.1
1997	723.8	4587.2	217.2	4370.0	17888.4	4994.6	2855.0	135.2
1998	803.5	5081.7	219.4	4862.3	19783.7	5523.8	3207.2	138.4
1999	869.7	5631.1	223.8	5407.3	21883.4	6110.1	3493.6	138.8
2000	945.0	6219.2	228.0	5991.2	24145.5	6741.7	3567.5	130.8
2001	1032.9	6853.2	238.4	6614.8	26483.0	7394.3	3733.5	129.9
2002	1186.6	7543.5	250.3	7293.2	29090.4	8122.3	3871.0	128.4
2003	1418.0	8353.0	274.6	8078.4	31944.7	8919.3		
2004	1614.4	9353.3	303.0	9050.4	35269.1	9847.5		
2005	1771.0	10500.1	331.2	10169.0	38933.4	10870.6		
2006	2021.4	11746.1	361.0	11385.1				
2007	2219.5	13180.2	393.4	12786.7				
2008	2537.8	14740.6	428.8	14311.8				
2009	3123.3	16541.4	481.7	16059.7				
2010	3432.3	18837.6	553.5	18284.1				
2011	3748.9	21328.0	623.6	20704.4				
2012	4073.0	24010.6	697.8	23312.7				

All values are measured in constant prices, in 100 million yuan. The base year for each column is indicated separately.

Table 14: Defense Spending (CSY, SIPRI)

year	Defense as Share of GDP
1952	0.067
1953	0.069
1954	0.059
1955	0.082
1956	0.069
1957	0.061
1958	0.045
1959	0.047
1960	0.048
1961	0.050
1962	0.062
1963	0.066
1964	0.063
1965	0.063
1966	0.064
1967	0.056
1968	0.067
1969	0.078
1970	0.075
1971	0.082
1972	0.075
1973	0.063
1974	0.057
1975	0.057
1976	0.055
1977	0.056
1978	0.056
1979	0.066
1980	0.053
1981	0.043
1982	0.041
1983	0.042
1984	0.036
1985	0.032
1986	0.029
1987	0.026
1988	0.024
1989	0.015
1990	0.016
1991	0.015
1992	0.014
1993	0.012
1994	0.011
1995	0.010
1996	0.010
1997	0.010
1998	0.011
1999	0.012
2000	0.012
2001	0.013
2002	0.014
2003	0.014
2004	0.017
2005	0.014
2006	0.013
2007	0.014
2008	0.014
2009	0.014
2010	0.013
2011	0.013
2012	0.012

2-digit level for 1952-1964 and for 1981-2000, obtained from the "China's Long-Term International Trade Statistics" database. Using data from Fukao et. al. (2006), we construct estimates of nominal exports and imports of agricultural and non-agricultural commodities. We then subtract imports from exports to obtain estimates of net exports by sector. We use the price deflators computed earlier to estimate real net exports by sector in 1978 prices. For the 1965-1980 period, to our knowledge, there is no available data on trade by sector. We linearly interpolate the ratios of net export to value added by sector for this intermediate period. For the 2001-2012 period we use data directly comparable to that reported by Fukao et. al. (2006), now available in CSY.

13.7 Three Sectors

For the 3-sector model we break down non-agricultural sector into its state and private components. For modeling purposes, we are interested in the breakdown of production (value added), labor inputs and capital inputs. The separation of the sectors occurs only after the reforms started in 1978. Before that, there was hardly any non-state non-agricultural production. So we construct the breakdown for the 1978-2012 time period. Our first main source is Dekle and Vandenbroucke (2006) "A quantitative analysis of China's structural transformation" (DV). DV report fractions of value added produced by the state and private sectors for 1978-2003. They also report data on the split of capital and labor inputs for the same period. For later years we use data from the CSY and follow DV's methodology wherever possible. We replicate DV's numbers very closely for the overlapping period (1985-2003), which is encouraging.

To obtain a breakdown of value added we use "gross industrial value added" from CSY, for which split is reported into state-owned, collective, individual and other/foreign. We attribute state-owned and collective to the state sector and all other categories to the private sector.

To obtain a breakdown of employment we use Table 4-2 "Number of Employed Persons at Year-end in Urban and Rural Areas" which reports total number of employed, as well as those employed in state-owned, collective-owned, cooperative and TVEs. We attribute the four aforementioned categories to the state sector, and the rest to the private sector.

To obtain a breakdown of capital we use data on the "Original Value of Fixed Assets of Industrial Firms above certain size" which are reported for all industrial firms and for state-owned enterprises. We use these data to split total investment in the non-agricultural sector

Table 15: Foreign Trade by Sector (CSY, Fukao Kiyota Yue (2006))

year	Share of Agric goods in		Sectoral Trade	
	Exports	Imports	Export of Agric.	Import of Non-ag.
1952	0.339	0.020	8.42	18.82
1953	0.326	0.023	10.31	21.61
1954	0.354	0.040	12.35	17.05
1955	0.340	0.028	14.82	27.22
1956	0.331	0.022	17.27	14.57
1957	0.283	0.018	14.51	10.01
1958	0.334	0.028	20.67	15.37
1959	0.305	0.011	23.03	16.13
1960	0.487	0.016	29.78	31.58
1961	0.143	0.291	-5.67	-10.37
1962	0.159	0.367	-4.91	-18.21
1963	0.211	0.339	-1.57	-15.87
1964	0.256	0.332	0.23	-13.07
1965	0.251	0.324	-2.06	-9.86
1966	0.246	0.316	-3.06	-7.96
1967	0.241	0.308	-2.27	-7.67
1968	0.235	0.299	-1.68	-8.38
1969	0.230	0.291	0.02	-12.58
1970	0.225	0.283	-3.10	-3.80
1971	0.220	0.275	0.65	-15.45
1972	0.215	0.267	0.71	-18.19
1973	0.209	0.259	-2.33	-15.63
1974	0.204	0.250	-9.83	3.57
1975	0.199	0.242	-7.28	-2.88
1976	0.194	0.234	-4.18	-9.68
1977	0.188	0.226	-3.70	-10.60
1978	0.183	0.218	-10.13	9.67
1979	0.178	0.210	-13.27	17.93
1980	0.173	0.202	-13.39	14.21
1981	0.167	0.193	-9.55	-9.45
1982	0.163	0.228	-14.35	-70.65
1983	0.158	0.091	30.84	14.34
1984	0.153	0.068	46.71	86.71
1985	0.148	0.045	63.58	512.48
1986	0.141	0.052	74.26	490.46
1987	0.135	0.060	100.46	244.66
1988	0.128	0.068	85.87	374.27
1989	0.121	0.076	69.87	313.77
1990	0.115	0.084	126.09	-285.41
1991	0.110	0.058	222.62	-205.78
1992	0.108	0.049	289.15	56.15
1993	0.104	0.028	377.48	1078.88
1994	0.095	0.043	559.53	97.83
1995	0.079	0.069	221.97	-1181.73
1996	0.079	0.057	340.07	-678.93
1997	0.070	0.044	536.11	-2818.09
1998	0.064	0.039	524.94	-3072.56
1999	0.058	0.031	511.25	-1912.15
2000	0.053	0.027	583.24	-1412.36
2001	0.052	0.025	629.84	-1235.36
2002	0.048	0.025	699.60	-1818.00
2003	0.043	0.023	762.68	-1329.62
2004	0.034	0.025	522.49	-2145.01
2005	0.031	0.021	854.02	-7520.38
2006	0.028	0.019	986.50	-13233.84
2007	0.027	0.021	935.01	-19328.49
2008	0.024	0.023	588.77	-20279.65
2009	0.029	0.024	695.20	-12716.12
2010	0.028	0.023	724.09	-11599.45
2011	0.028	0.025	631.86	-9447.34
2012	0.027	0.029	191.15	-14367.14

Values in the right panel are measured in current prices, in 100 million yuan.

(see subsection on capital) into state non-ag. investment and private non-ag. investment. We merge these series with data from DV starting from the year 1998. We then apply the perpetual inventory method (with constant 5-percent depreciation rate) to obtain the series for capital in state non-ag. sector and private non-ag. sector.

Our constructed shares of value added, employment and capital stock in the state non-ag. sector are reported in Table 16.

13.8 Final Dataset

In this subsection, we combine series constructed and reported in previous subsections into a final dataset. Tables 17 and 18 present the combined dataset used in the analysis.

Table 17 presents total value added (GDP), value added by agriculture (YA) and non-agriculture (YM), which in turn is split into state (YS) and private (YP) non-agriculture. Agricultural value added is either consumed (CA) or exported (exA). Non-agricultural value added produced (YM) plus imported (ImM) is used either for consumption (CM), investment (Inv) or defense spending (GM). All values in Table 17 are in constant prices in 100 million of 1978 yuan.

The left panel of Table 18 presents total capital stock (K) broken down by sector: agriculture (KA), non-agriculture (KM), in turn broken down into state (KS) and private (KP) non-agriculture. Like value added, the capital stock is measured in 100 million of 1978 yuan. The central panel of Table 18 presents total employment (N) split into: agriculture (NA), non-agriculture (NM), in turn split into state (NS) and private (NP) non-agriculture. Employment, as well as total population (POP), are measured in million persons. The right panel of Table 18 presents the index of relative prices of agricultural and non-agricultural goods (pA/pM) and the ratio of wages in agriculture to wages in non-agriculture (wA/wM). The index of relative prices is normalized to 1 in 1978.

Table 16: Size of State sector (CSY, Dekle and Vandenbroucke (2006))

year	Share of State in Non-agricultural		
	Employment	Value Added	Capital Stock
1978	0.930	0.997	0.951
1979	0.928	0.996	0.950
1980	0.907	0.994	0.947
1981	0.890	0.992	0.940
1982	0.890	0.988	0.933
1983	0.862	0.984	0.914
1984	0.879	0.978	0.896
1985	0.919	0.969	0.884
1986	0.922	0.958	0.874
1987	0.928	0.943	0.866
1988	0.932	0.929	0.858
1989	0.928	0.918	0.848
1990	0.908	0.902	0.844
1991	0.906	0.886	0.842
1992	0.916	0.861	0.848
1993	0.915	0.815	0.843
1994	0.860	0.749	0.828
1995	0.838	0.706	0.816
1996	0.814	0.679	0.796
1997	0.771	0.700	0.779
1998	0.668	0.691	0.767
1999	0.649	0.660	0.763
2000	0.626	0.612	0.760
2001	0.609	0.550	0.755
2002	0.593	0.495	0.750
2003	0.576	0.442	0.741
2004	0.549	0.380	0.729
2005	0.528	0.381	0.710
2006	0.512	0.354	0.691
2007	0.502	0.331	0.672
2008	0.498	0.314	0.654
2009	0.485	0.291	0.635
2010	0.481	0.289	0.616
2011	0.475	0.285	0.596
2012	0.473	0.281	0.578

Table 17: Value Added by Sector and by Use

year	GDP	YA	CA	exA	YM	CM	Inv	ImM	GM	YS	YP
1952	77.33	60.39	58.92	1.47	16.94	3.49	9.19	0.96	5.21	n.a.	n.a.
1953	89.41	61.53	59.87	1.66	27.88	10.56	12.51	1.36	6.17	n.a.	n.a.
1954	93.17	62.57	60.61	1.95	30.61	10.93	15.28	1.13	5.52	n.a.	n.a.
1955	99.55	67.52	65.17	2.36	32.03	9.76	15.90	1.79	8.16	n.a.	n.a.
1956	114.51	70.66	67.94	2.73	43.85	12.61	24.44	1.10	7.90	n.a.	n.a.
1957	120.31	72.84	70.40	2.44	47.47	19.84	21.04	0.75	7.34	n.a.	n.a.
1958	145.88	73.16	69.80	3.36	72.72	30.32	37.13	1.30	6.56	n.a.	n.a.
1959	158.74	61.55	57.89	3.66	97.19	43.20	48.02	1.49	7.46	n.a.	n.a.
1960	158.23	51.47	47.01	4.46	106.76	50.84	51.35	3.03	7.60	n.a.	n.a.
1961	115.00	52.22	52.88	-0.67	62.78	34.76	21.44	-0.84	5.75	n.a.	n.a.
1962	108.55	54.59	55.18	-0.59	53.96	29.30	16.51	-1.42	6.73	n.a.	n.a.
1963	119.63	60.76	60.95	-0.19	58.87	28.87	20.83	-1.27	7.90	n.a.	n.a.
1964	141.47	68.62	68.59	0.03	72.85	34.66	28.22	-1.07	8.91	n.a.	n.a.
1965	165.57	75.26	75.50	-0.24	90.31	45.28	33.76	-0.84	10.43	n.a.	n.a.
1966	183.33	80.70	81.05	-0.35	102.63	50.38	39.82	-0.70	11.73	n.a.	n.a.
1967	172.88	82.22	82.48	-0.26	90.65	48.88	31.43	-0.66	9.68	n.a.	n.a.
1968	165.81	80.90	81.09	-0.19	84.91	44.32	28.77	-0.71	11.11	n.a.	n.a.
1969	193.82	81.58	81.58	0.00	112.24	55.42	40.53	-1.17	15.12	n.a.	n.a.
1970	231.42	87.87	88.21	-0.34	143.55	69.96	55.87	-0.37	17.36	n.a.	n.a.
1971	247.73	89.53	89.46	0.07	158.21	75.02	61.34	-1.53	20.31	n.a.	n.a.
1972	257.06	88.73	88.65	0.08	168.33	84.04	63.20	-1.81	19.28	n.a.	n.a.
1973	277.26	96.72	96.96	-0.25	180.54	94.12	67.40	-1.55	17.47	n.a.	n.a.
1974	283.66	100.67	101.71	-1.04	182.99	91.49	75.69	0.35	16.17	n.a.	n.a.
1975	308.32	102.72	103.48	-0.76	205.60	97.65	90.08	-0.29	17.57	n.a.	n.a.
1976	303.32	100.90	101.34	-0.43	202.42	96.14	88.61	-0.99	16.68	n.a.	n.a.
1977	326.43	98.67	99.05	-0.38	227.76	116.09	92.33	-1.06	18.28	n.a.	n.a.
1978	364.52	102.75	103.77	-1.01	261.77	134.93	107.39	0.97	20.41	260.92	0.85
1979	392.13	109.06	110.20	-1.14	283.07	147.71	111.30	1.82	25.88	281.80	1.27
1980	422.87	107.44	108.49	-1.05	315.44	171.41	123.02	1.41	22.41	313.49	1.94
1981	445.05	114.94	115.65	-0.70	330.11	188.18	121.85	-0.94	19.14	327.30	2.80
1982	485.35	128.19	129.23	-1.03	357.16	193.09	137.05	-7.12	19.90	352.98	4.18
1983	538.03	138.87	136.70	2.16	399.16	222.36	155.50	1.44	22.74	392.73	6.43
1984	619.68	156.75	153.59	3.16	462.93	264.22	184.58	8.21	22.34	452.65	10.28
1985	703.13	159.64	155.69	3.96	543.48	355.99	208.38	43.17	22.29	526.86	16.62
1986	765.33	164.94	160.55	4.39	600.39	383.99	233.86	39.33	21.88	575.09	25.29
1987	853.98	172.70	167.33	5.37	681.28	408.85	269.02	18.89	22.29	642.75	38.53
1988	950.31	177.09	173.16	3.93	773.22	479.63	297.04	25.89	22.44	718.67	54.55
1989	988.93	182.54	179.55	2.99	806.39	554.23	257.20	19.88	14.83	739.87	66.52
1990	1026.89	195.92	191.04	4.88	830.98	531.54	265.57	-17.43	16.43	749.77	81.20
1991	1121.15	200.62	192.26	8.36	920.53	579.74	312.45	-11.52	16.82	815.97	104.56
1992	1280.81	210.05	199.70	10.35	1070.76	650.67	405.02	2.86	17.93	922.26	148.50
1993	1459.67	219.92	208.00	11.92	1239.74	719.56	549.81	47.15	17.52	1010.25	229.50
1994	1650.60	228.72	215.35	13.37	1421.88	814.43	592.90	3.60	18.16	1065.53	356.34
1995	1830.93	240.16	235.77	4.39	1590.77	904.83	628.99	-38.63	18.31	1122.48	468.29
1996	2014.18	252.41	246.29	6.12	1761.77	1040.18	680.52	-20.93	20.14	1195.67	566.09
1997	2201.43	261.24	251.55	9.70	1940.19	1109.65	723.79	-84.73	22.01	1357.45	582.74
1998	2373.88	270.39	260.81	9.58	2103.50	1180.98	803.53	-92.88	26.11	1453.34	650.16
1999	2554.77	277.96	268.34	9.62	2276.81	1318.36	869.68	-58.12	30.66	1502.65	774.16
2000	2770.17	284.63	273.52	11.11	2485.54	1465.67	944.97	-41.66	33.24	1522.02	963.52
2001	3000.10	292.60	280.92	11.68	2707.50	1599.93	1032.94	-35.63	39.00	1488.11	1219.40
2002	3272.57	301.08	288.35	12.74	2971.49	1687.01	1186.62	-52.05	45.82	1469.91	1501.58
2003	3600.66	308.61	295.07	13.54	3292.05	1786.65	1418.04	-36.96	50.41	1454.68	1837.37
2004	3963.78	328.05	320.05	8.00	3635.73	1897.60	1614.43	-56.32	67.38	1379.83	2255.90
2005	4412.09	345.21	332.06	13.15	4066.88	2045.93	1770.99	-188.19	61.77	1550.32	2516.55
2006	4971.39	362.47	347.60	14.87	4608.92	2205.69	2021.38	-317.22	64.63	1632.31	2976.61
2007	5675.46	376.04	363.76	12.28	5299.42	2568.64	2219.46	-431.86	79.46	1755.42	3544.00
2008	6222.27	396.27	389.35	6.92	5826.00	2779.67	2537.77	-421.44	87.11	1828.23	3997.77
2009	6795.60	412.85	404.70	8.15	6382.76	2898.13	3123.28	-265.52	95.82	1854.36	4528.39
2010	7505.54	430.48	422.79	7.69	7075.06	3315.90	3432.35	-227.34	99.47	2046.98	5028.07
2011	8203.54	448.78	442.81	5.97	7754.77	3729.44	3748.93	-172.13	104.27	2210.68	5544.08
2012	8831.31	469.19	467.48	1.71	8362.12	3924.21	4072.96	-257.50	107.46	2348.29	6013.84

All values are measured in constant 1978 prices, in 100 million yuan.

Table 18: Capital and Labor Input by Sector, Relative Prices and Wages

year	K	KA	KM	KS	KP	N	NA	NM	NS	NP	POP	pA/pM	wA/wM
1952	42.99	18.73	24.26	n.a.	n.a.	241.8	202.0	39.8	n.a.	n.a.	574.82	0.291	0.839
1953	50.03	19.65	30.38	n.a.	n.a.	249.2	207.0	42.2	n.a.	n.a.	587.96	0.390	0.870
1954	60.04	21.10	38.94	n.a.	n.a.	254.7	211.8	42.9	n.a.	n.a.	602.66	0.417	0.882
1955	72.31	23.17	49.14	n.a.	n.a.	260.5	216.9	43.6	n.a.	n.a.	614.65	0.415	0.860
1956	84.60	25.24	59.36	n.a.	n.a.	268.5	216.3	52.2	n.a.	n.a.	628.28	0.478	0.811
1957	104.81	28.71	76.10	n.a.	n.a.	277.3	225.3	52.1	n.a.	n.a.	646.53	0.445	0.779
1958	120.61	29.61	91.00	n.a.	n.a.	310.3	180.7	129.6	n.a.	n.a.	659.94	0.521	0.851
1959	151.71	32.29	119.42	n.a.	n.a.	305.3	189.8	115.5	n.a.	n.a.	672.07	0.581	0.773
1960	192.14	37.53	154.61	n.a.	n.a.	301.9	198.5	103.4	n.a.	n.a.	662.07	0.640	0.672
1961	233.89	44.62	189.26	n.a.	n.a.	298.5	230.4	68.2	n.a.	n.a.	658.59	0.690	0.650
1962	243.63	46.62	197.01	n.a.	n.a.	302.3	248.2	54.1	n.a.	n.a.	672.95	0.651	0.636
1963	247.96	47.56	200.40	n.a.	n.a.	310.8	256.3	54.5	n.a.	n.a.	691.72	0.662	0.629
1964	256.39	48.60	207.79	n.a.	n.a.	323.6	266.0	57.6	n.a.	n.a.	704.99	0.672	0.628
1965	271.79	49.89	221.90	n.a.	n.a.	334.5	272.9	61.5	n.a.	n.a.	725.38	0.743	0.637
1966	291.95	50.75	241.20	n.a.	n.a.	347.7	283.5	64.3	n.a.	n.a.	745.42	0.774	0.645
1967	317.17	52.27	264.91	n.a.	n.a.	359.5	293.6	65.9	n.a.	n.a.	763.68	0.750	0.648
1968	332.75	54.10	278.65	n.a.	n.a.	372.3	304.1	68.3	n.a.	n.a.	785.34	0.771	0.645
1969	344.88	54.48	290.40	n.a.	n.a.	387.6	316.4	71.3	n.a.	n.a.	806.71	0.850	0.647
1970	368.17	55.49	312.68	n.a.	n.a.	401.7	324.5	77.2	n.a.	n.a.	829.92	0.895	0.660
1971	405.63	59.05	346.57	n.a.	n.a.	415.6	331.3	84.3	n.a.	n.a.	852.29	0.920	0.688
1972	446.69	63.17	383.52	n.a.	n.a.	418.3	330.0	88.3	n.a.	n.a.	871.77	0.934	0.654
1973	487.56	66.87	420.68	n.a.	n.a.	427.6	336.7	90.9	n.a.	n.a.	892.11	0.940	0.685
1974	530.58	68.36	462.22	n.a.	n.a.	436.0	340.9	95.1	n.a.	n.a.	908.59	0.937	0.755
1975	579.74	69.87	509.87	n.a.	n.a.	445.3	343.6	101.6	n.a.	n.a.	924.20	0.964	0.727
1976	640.83	71.90	568.92	n.a.	n.a.	453.1	343.5	109.6	n.a.	n.a.	937.17	0.986	0.736
1977	697.39	72.45	624.94	n.a.	n.a.	459.4	342.3	117.1	n.a.	n.a.	949.74	0.966	0.740
1978	754.86	72.14	682.72	648.99	33.72	468.4	330.4	138.1	128.4	9.7	962.59	1.000	0.747
1979	824.50	79.66	744.84	707.84	37.00	479.7	334.8	144.9	134.4	10.5	975.42	1.181	0.776
1980	894.58	87.10	807.48	764.71	42.77	494.0	339.6	154.4	140.0	14.4	987.05	1.269	0.796
1981	972.87	93.54	879.33	826.35	52.98	510.4	347.6	162.8	145.0	17.8	1000.72	1.344	0.814
1982	1046.08	102.09	943.99	880.61	63.38	526.2	358.5	167.7	149.3	18.4	1016.54	1.397	0.818
1983	1130.83	109.65	1021.18	933.85	87.33	541.2	363.0	178.1	153.5	24.7	1030.08	1.427	0.826
1984	1229.79	109.15	1120.64	1004.00	116.64	558.1	357.4	200.7	176.4	24.3	1043.57	1.398	0.779
1985	1352.88	113.57	1239.31	1095.21	144.09	575.5	359.2	216.3	198.8	17.5	1058.51	1.353	0.753
1986	1493.61	119.78	1373.83	1200.79	173.04	591.5	360.5	231.0	213.1	17.9	1075.07	1.356	0.778
1987	1652.79	132.99	1519.80	1316.25	203.55	607.4	364.4	243.1	225.5	17.5	1093.00	1.445	0.773
1988	1839.17	141.83	1697.33	1456.43	240.90	622.4	369.4	253.0	235.8	17.2	1110.26	1.510	0.721
1989	2044.25	150.48	1893.77	1606.62	287.14	635.6	381.7	253.9	235.7	18.3	1127.04	1.481	0.706
1990	2199.24	148.17	2051.07	1731.20	319.87	647.5	389.1	258.4	234.6	23.7	1143.33	1.578	0.708
1991	2354.85	144.51	2210.34	1861.39	348.95	654.9	391.0	263.9	239.0	24.9	1158.23	1.491	0.695
1992	2549.56	146.46	2403.10	2038.76	364.34	661.5	387.0	274.5	251.4	23.2	1171.71	1.420	0.663
1993	2827.09	157.99	2669.11	2249.52	419.58	668.1	376.8	291.3	266.6	24.7	1185.17	1.384	0.594
1994	3235.55	178.68	3056.87	2531.85	525.01	674.6	366.3	308.3	265.2	43.1	1198.50	1.541	0.610
1995	3666.67	196.48	3470.19	2829.98	640.21	680.7	355.3	325.4	272.7	52.7	1211.21	1.652	0.630
1996	4112.33	208.77	3903.56	3106.63	796.93	689.5	348.2	341.3	277.7	63.6	1223.89	1.711	0.642
1997	4587.23	217.23	4370.01	3405.00	965.00	698.2	348.4	349.8	269.8	80.0	1236.26	1.662	0.657
1998	5081.67	219.36	4862.31	3729.42	1132.89	706.4	351.8	354.6	236.9	117.7	1247.61	1.657	0.595
1999	5631.11	223.79	5407.32	4125.40	1281.92	713.9	357.7	356.3	231.3	124.9	1257.86	1.615	0.568
2000	6219.23	228.05	5991.18	4551.02	1440.17	720.9	360.4	360.4	225.8	134.7	1267.43	1.549	0.542
2001	6853.24	238.41	6614.83	4996.03	1618.80	728.0	364.0	364.0	221.7	142.3	1276.27	1.556	0.517
2002	7543.52	250.29	7293.23	5468.74	1824.49	732.8	366.4	366.4	217.3	149.1	1284.53	1.572	0.505
2003	8352.96	274.56	8078.40	5985.49	2092.91	737.4	362.0	375.3	216.2	159.1	1292.27	1.565	0.482
2004	9353.35	303.00	9050.35	6594.73	2455.62	742.6	348.3	394.3	216.7	177.7	1299.88	1.714	0.460
2005	10500.11	331.16	10168.96	7221.94	2947.02	746.5	334.4	412.1	217.6	194.5	1307.56	1.625	0.441
2006	11746.10	360.95	11385.14	7867.06	3518.09	749.8	319.4	430.4	220.5	209.9	1314.48	1.590	0.435
2007	13180.17	393.44	12786.73	8595.23	4191.50	753.2	307.3	445.9	224.0	221.9	1321.29	1.701	0.430
2008	14740.63	428.78	14311.85	9364.39	4947.46	755.6	299.2	456.4	227.2	229.2	1328.02	1.767	0.427
2009	16541.37	481.70	16059.66	10192.84	5866.83	758.3	288.9	469.4	227.9	241.5	1334.50	1.782	0.438
2010	18837.58	553.50	18284.08	11262.76	7021.32	761.1	279.3	481.7	231.6	250.1	1340.91	1.845	0.450
2011	21328.04	623.60	20704.44	12348.79	8355.65	764.2	265.9	498.3	236.5	261.7	1347.35	1.928	0.459
2012	24010.57	697.83	23312.74	13485.67	9827.07	767.0	257.7	509.3	240.8	268.5	1354.04	2.001	0.444

Values in the left panel are measured in constant 1978 prices, in 100 million yuan.

Values in the central panel are measured in million people.