Explaining the decline of China's labor share: A wide replication of Oberfield and Raval (2021) (replication data)

1. Firm-level Data: ASIP

Data from the Chinese Annual Surveys of Industrial Production (ASIP) is accessible under specific terms and conditions via the following link:

http://microdata.sozdata.com/#/login

Upon purchasing the database, access the provided link and navigate to the "Industrial Firm Data" section. Select the "Single Year Data Query" option to obtain data on Chinese industrial firms spanning from 1998 to 2013. This dataset encompasses two primary domains: basic firm information and financial information. The basic firm information comprises fundamental details, industry classification and primary business activities, and firm categorization. The financial information encompasses production, sales, and workforce details, balance sheets, income statements, and cash flow statements.

2. Local Wages

The dataset [NBS_localWage_raw.dta](5202 Observations) is from the China City Statistical Yearbooks. It generates the residual wage to estimate plant-level capital-labor elasticities from 1998 to 2013. In the estimation dataset listed above, the following variables are used during the analysis.

Variable Name	Content
city	Administrative Division Code of Prefecture-Level Cities
year	Year
per	Chinese Name of Prefecture-Level Cities
wageCen	Average Annual Wage
edu	Proportion of Students Enrolled in Higher Education
male_pop_ratio	Proportion of Males
ind3_ratio	Proportion of the Third Industry

The subfile [UHS] includes [p2002.dta] (109326 Observations), [p2003.dta] (120845 Observations), [p2004.dta] (127157 Observations), [p2005.dta] (132453 Observations), and [p2006.dta] (131690 Observations). They are all from the Urban Household Survey (UHS), conducted by China's National Bureau of Statistics. [p2002.dta], [p2003.dta], [p2004.dta], [p2005.dta], and [p2006.dta] represents the data from 2002 to 2006. It is worth noting that we do not use all the variables in this dataset. The names and contents of the variables used are shown in the table below.

Variable Name	Content
a3	hukou (household registration)
a6	Gender
a7	Age
a8	Education
a9	Marriage

a10	Experience
a13	Industry
a14	Occupation
a15	Annual Salary Income

3. Rental Rates

[rentalRate_macro.dta] (510 Observations) includes the data required outside of ASIP in calculating rental rates at the 2-digit CIC industry level, sourced from China Statistical Yearbooks and China Fixed Assets Investment Statistical Yearbooks. The names and contents of the variables used are shown in the table below.

Variable Name	Content
year	Year
p_k	Capital Price Index
p_t	Output Price Index
v	Production Tax Rate
tax_rate	Income Tax Rate
cic2digit	2-digit CIC Industry Code
dep	Depreciation Rate
capitalShareOfCost	Capital Share

4. Bartik & BGS

[employeeInd.dta] (6324 Observations) is the local industry-level employment data from the China City Statistical Yearbook. [nationEmployeeInd.xls](24 Observations) is the national industry-level employment data from the China Statistical Yearbook. The names and contents of the variables used are shown in the table below.

Variable Name	Content
city	Administrative Division Code of Prefecture-Level Cities
year	Year
Urban	Number of Employees in Urban Units
Mining	Number of Employees in Mining Industry
Manufacturing	Number of Employees in Manufacturing Industry
Electricity	Number of Employees in Production and Supply of Electricity, Heat, Gas, and Water
Construction	Number of Employees in Construction Industry
Wholesale	Number of Employees in Wholesale and Retail Trade
Transportation	Number of Employees in Transportation, Storage, and Postal Services
Accommodation	Number of Employees in Accommodation and Catering Industry
Information	Number of Employees in Information Transmission, Computer Services, and Software Industry
Financial	Number of Employees in Financial Industry
RealEstate	Number of Employees in Real Estate Industry
Leasing	Number of Employees in Leasing and Business Services

Research	Number of Employees in Scientific Research and Comprehensive Technical Services
Water	Number of Employees in Water Conservancy, Environment, and Public Facilities Management
Resident	Number of Employees in Resident Services, Repair, and Other Services
Education	Number of Employees in Education
Health	Number of Employees in Health and Social Work
Culture	Number of Employees in Culture, Sports, and Entertainment Industry
Public	Number of Employees in Public Administration, Social Security, and Social Organizations

[nationWageInd.xls](24 Observations) is the national industry-level wage data from the China Statistical Yearbook. The names and contents of the variables used are shown in the table below.

Variable Name	Content
city	Administrative Division Code of Prefecture-Level Cities
year	Year
Urban	Annual Average Wage in Urban Units
Agriculture	Annual Average Wage in Agriculture
Mining	Annual Average Wage in Mining Industry
Manufacturing	Annual Average Wage in Manufacturing Industry
Electricity	Annual Average Wage in Production and Supply of Electricity, Heat, Gas, and Water
Construction	Annual Average Wage in Construction Industry
Wholesale	Annual Average Wage in Wholesale and Retail Trade
Transportation	Annual Average Wage in Transportation, Storage, and Postal Services
Accommodation	Annual Average Wage in Accommodation and Catering Industry
Information	Annual Average Wage in Information Transmission, Computer Services, and Software Industry
Financial	Annual Average Wage in Financial Industry
RealEstate	Annual Average Wage in Real Estate Industry
Leasing	Annual Average Wage in Leasing and Business Services
Research	Annual Average Wage in Scientific Research and Comprehensive Technical Services
Water	Annual Average Wage in Water Conservancy, Environment, and Public Facilities Management
Resident	Annual Average Wage in Resident Services, Repair, and Other Services
Education	Annual Average Wage in Education
Health	Annual Average Wage in Health and Social Work
Culture	Annual Average Wage in Culture, Sports, and Entertainment

	Industry
Public	Annual Average Wage in Public Administration, Social Security, and Social Organizations

5. Amenities

Local amenities are sourced from the China Meteorological Administration and the Global Surface Summary of the Day (GSOD) dataset. [humidity19982013.dta] (5520 Obs. With complete data), [precipitation19982013.dta](5520 Obs. With complete data), [wind19982013.dta](5520 Obs. With complete data), and [sunshine19982013.dta](5520 Obs. With complete data) represent the average annual humidity, precipitation, wind speed, and sunshine duration of prefecture-level cities. [avgTemperatureByDay.csv] (2149330 Obs. With complete data) represents the daily average temperature of prefecture-level cities. The names and contents of the variables used are shown in the table below.

Dataset	Variable Name	Content
[humidity19982013.dta]	city	Administrative Division Code of Prefecture-Level Cities
	year	Year
	humidity	Humidity
[precipitation19982013.dta]	city	Administrative Division Code of Prefecture-Level Cities
	year	Year
	precipitation	Precipitation
[wind19982013.dta]	city	Administrative Division Code of Prefecture-Level Cities
	year	Year
	wind	Wind Speed
[sunshine19982013.dta]	city	Administrative Division Code of Prefecture-Level Cities
	year	Year
	sunshine	Sunshine
[avgTemperatureByDay.csv]	avgtemp	Average Temperature
	date	Date
	Htemp	The Highest Temperature
	Ltemp	The Lowest Temperature
	city	Administrative Division Code of Prefecture-Level Cities
	year	Year

6. Capital Content of Materials

The input-output tables for the years 1997, 2002, 2007, and 2012 can be downloaded from the official website of China's National Bureau of Statistics. The specific download link is as follows:

https://data.stats.gov.cn/easyquery.htm?cn=C01