

FDI

2005-2019

FDI

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[] 2022-03-11 [] 2022-06-18
[] 1971.11-
zimp@shnu.edu.cn 021-64324524 200030
100
* 1997.10-
1000497363@smail.shnu.edu.cn 15161163881 200030
100

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Abstract: This paper studies the impact of FDI on the income gap between urban and rural areas in view of industrial structure upgrading, and further analyzes the spatial spillover effect. Based on China's provincial panel data from 2005 to 2019, an empirical study is carried out. The regression results of the intermediary effect model confirm that FDI can narrow the income gap between urban and rural areas by promoting the upgrading of industrial structure; The results of spatial panel Durbin model show that FDI inflow not only has a positive impact on narrowing the income gap between urban and rural areas in this area, but also has a significant spatial spillover, which can effectively narrow the income gap between urban and rural areas in neighboring areas. Among the control variables, the improvement of human capital and the degree of openness helps to narrow the income gap in this region, and produces a negative spatial spillover, which to some extent inhibits the widening of the income gap between urban and rural areas in the surrounding areas.

Key Words: FDI; Upgrading the industrial structure; Income gap between urban and rural areas; Space spillover

FDI
2019 1381
90
2019 GDP 92.9% GDP

2014 ^[1]

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U

Todar 1969 [4]

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2013 [5]

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2013 [6]

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Chen 2016 !

Dancheng et al.

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2011 [7]

FDI

2021 ^[17]

2014

[18]

2015 ^[19] VAR

2017 ^[20]

2019 ^[21] FDI

FDI

2017 ^[22] FDI

GMM

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FDI

(2011) ^[23]

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[23]

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H_{1a} FDI

H_{1b} FDI

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2017 [22]

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FDI

H_{2a} FDI

H_{2b} FDI

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Ravi and Xiaobo 1999 [24]

Cuadros et al. 2019 [25] FDI

FDI

Huang et al. (2017)[2] FDI

H₃

H₃ FDI

FDI

1

$$GAP_{i,t} = \alpha_0 + \alpha_1 FDI_{i,t} + \sum \alpha_c Control_{i,t} + \mu_i + \delta_t + \varepsilon_{i,t} \quad (1)$$

$$GAP_{i,t} \quad FDI_{i,t} \quad i \quad t$$

$$Control_{i,t} \quad \mu_i \quad \delta_t \quad \varepsilon_{i,t}$$

FDI

$$stru_{i,t} = \beta_0 + \beta_1 FDI_{i,t} + \sum \beta_c Control_{i,t} + \mu_i + \delta_t + \varepsilon_{i,t} \quad (2)$$

$$GAP_{i,t} = \gamma_0 + \gamma_1 FDI_{i,t} + \gamma_2 stru_{i,t} + \sum \gamma_c Control_{i,t} + \mu_i + \delta_t \quad (3)$$

4

$$GAP_{i,t} = \varphi_0 + \rho WGAP_{i,t} + \varphi_1 FDI_{i,t} + \varphi_2 upgrade_{i,t} + \sum \varphi_c Control_{i,t} + \delta_1 WFDI_{i,t} + \delta_2 Wupgrade_{i,t} + \sum \delta_c WControl_{i,t} + \mu_i + \varepsilon_{i,t} \quad 4$$

$W \qquad \rho \quad \delta \qquad \rho \quad \delta$

W_{ij}

1

0

0

5

$$W_{ij} = \begin{cases} 1 & i, j \\ 0 & i, j \end{cases}$$

5

30

2005

2005-2019

2006-2020

GAP

$$GAP_t = \sum_{i=1}^2 \left(\frac{Y_{i,t}}{Y_t} \right) \ln \left(\frac{Y_{i,t} / Y_t}{N_{i,t} / N_t} \right)$$

6

N_t Y_t $N_{i,t}$ $Y_{i,t}$
i $i=1$ $i=0$

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upgrade

$$upgrade = \sum_{i=3}^{i=1} q_i \times i$$

2021 ^[11]

2016 ^[26]

1 *eximv* GDP 2
 labour 3 humcap
 4 tech
 GDP 5 fiscal
 GDP 1

1

<i>GAP</i>	
<i>FDI</i>	
<i>upgrade</i>	
<i>eximv</i>	/GDP
<i>labour</i>	/
<i>humcap</i>	/
<i>tech</i>	GDP
<i>fiscal</i>	/GDP

2 GAP GAP

0.0198-0.281

FDI FDI upgrade

<i>GAP</i>	450	0.110	0.053	0.0198	0.281
<i>FDI</i>	450	5.266	1.601	0.259	7.722
<i>upgrade</i>	450	2.352	0.130	2.085	2.834
<i>eximv</i>	450	0.031	0.037	0.001	0.171
<i>labour</i>	450	0.529	0.146	0.027	0.896
<i>humcap</i>	450	0.170	0.061	0	0.282
<i>tech</i>	450	1.165	2.295	0	16.068
<i>fiscal</i>	450	0.719	1.949	0.002	28.213

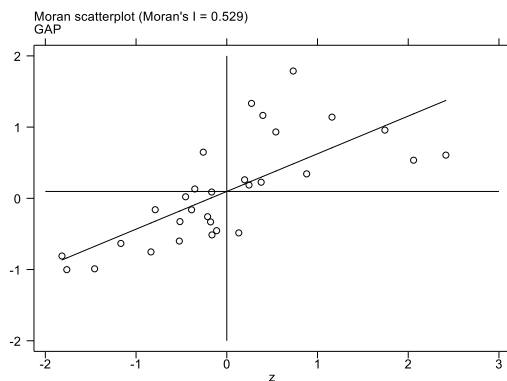
3

FDI
FDI

2018 ^[10]

FDI
(2017)^[27]

2005 2019
 H-H L-H L-L
 H-L 1 2 2005 2019



1 2005 AcfUb g' =

2 2019 AcfUb g' =

LM LM Wald
 (LMLAG LMERR)
 5
 P 0 1%
 Robust-LMLAG Wald
 Wald P 0
 Hausman P 0.049 5%

		P
<i>LMLAG</i>	358.577	0.000
<i>LMERR</i>	475.967	0.000
<i>Robust-LMLAG</i>	0.061	0.805
<i>Robust-LMERR</i>	22.476	0.000
<i>Wald</i>	67.63	0.000
<i>Hausman</i>	25.00	0.049

6

SAR	SDM	SAR		
	SDM	SAR	R ²	SDM
SDM				FDI
			FDI	FDI
	FDI			

6 FDI

	SAR	SDM
<i>FDI</i>	-0.004***	-0.004***
<i>upgrade</i>	-0.046***	0.066***
<i>eximv</i>	-0.244***	-0.278***
<i>labour</i>	0.000	0.000
<i>humcap</i>	-0.076***	-0.085***
<i>tech</i>	-0.002**	0.000
<i>fiscal</i>	0.000	0.000**
<i>W*FDI</i>		-0.006***
<i>W*upgrade</i>		-0.231***
<i>W*eximv</i>		0.055
<i>W*labour</i>		0.001***
<i>W*humcap</i>		-0.198***
<i>W*tech</i>		-0.003**
<i>W*fiscal</i>		0.001***
ρ	0.785***	0.582***
λ	0.000***	0.000***
R ²	0.677	0.702

7 FDI -0.006
 -0.019 -0.025 1%

FDI

H3

7

<i>FDI</i>	-0.006***	-0.019***	-0.025***
<i>upgrade</i>	0.027*	-0.419***	-0.392***
<i>eximv</i>	-0.293***	-0.229*	-0.523***
<i>labour</i>	0.000	0.001***	0.001**
<i>humcap</i>	-0.134***	-0.540***	-0.674***
<i>tech</i>	-0.001	-0.007**	-0.008**
<i>fiscal</i>	0.001***	0.004***	0.005***

8 2

1

humcap

graduate

9

3

3

1

8

3.79 Tm [(3.79 T>11<34g[<0D0E>11<1582332B

2 FDI FDI

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