Industry Clusters

Simeon Alder[1]

[1]U of Wisconsin–Madison

August 20, 2021

Imports and Employment Growth (1.a)

	Dependent Variable: 5-Year Change in Employment-to-Population Ratio			
	Stacked First Differences 1992-2016		Overlapping First Differences 1992-2016	
	(1) SLS	(2) SLS	(3) 2SLS	(4) 2SLS
Change in imports per worker	-0.0014** (0.0006)	-0.0004 (0.0005)	-0.0016** (0.0006)	0.0008 (0.0006)
Manufacturing emp-loyment share		-0.06*** (0.016)		-0.073** (0.020)
Year fixed effects	yes	yes	yes	yes

Imports and Employment Growth (1.b)

	Dependent Variable: 5-Year Change in Employment-to-Population Ratio			
	Stacked First Differences 1992-2016		Overlapping First Differences 1992-2016	
	(1) SLS	(2) SLS	(3) 2SLS	(4) 2SLS
Change in imports per worker	-0.012*** (0.001)	-0.013*** (0.002)	-0.013*** (0.002)	-0.015*** (0.002)
Manufacturing emp-loyment share		0.037* (0.019)		-0.073** (0.020)
Year fixed effects	no	no	no	no

Imports and Employment Growth (2.a)

	(1) OLS	(2) OLS	(3) 2SLS	(4) 2SLS
Dependent Variable: 5-Year Change in Employment-to-Population Ratio				
Stacked First Differences 1992-2016				
HHI (2-digit NAICS)	-0.152*** (0.033)			
HHI (4-digit NAICS)		-0.257*** (0.032)	-0.253*** (0.030)	-0.195*** (0.035)
Change in imports per worker			-0.001* (0.001)	0.000 (0.000)
Manufacturing employment share				-0.046** (0.018)
Year fixed effects	yes	yes	yes	yes
R^2	0.39	0.39		

Imports and Employment Growth (2.b)

	Dependent Variable: 5-Year Change in Employment-to-Population Ratio			
	Stacked First Differences 1992-2016			
	(1) OLS	(2) OLS	(3) 2SLS	(4) 2SLS
HHI (2-digit NAICS)	-0.065* (0.036)			
HHI (4-digit NAICS)		-0.216*** (0.029)	-0.173*** (0.024)	-0.192*** (0.020)
Change in imports per worker			-0.012*** (0.002)	-0.012*** (0.002)
Manufacturing employment share				0.036 (0.037)
Year fixed effects	no	no	no	no
R^2	0.00	0.00		

Imports and Employment Growth (3)

	Dependent Variable: 5-Year Change in Employment-to-Population Ratio			
	Stacked First Differences 1992-2016			
	(1) 2SLS	(2) 2SLS	(3) 2SLS	(4) 2SLS
HHI (4-digit NAICS)		-0.219*** (0.034)		-0.306*** (0.027)
Change in imports per worker	0.001 (0.001)	-0.000 (0.001)	-0.014*** (0.002)	-0.016*** (0.002)
Manufacturing emp- loyment share	-0.100** (0.034)	-0.086** (0.035)	0.015 (0.036)	0.031 (0.036)
HHI × change in imports per worker	-0.028** (0.013)	0.010 (0.015)	0.054*** (0.018)	0.108*** (0.020)
Year fixed effects	yes	yes	no	no

Empirical Variation

Variable	Standard Deviation
Change in imports per worker	2.10
HHI	0.05
HHI × change in imports per worker	0.25
Manufacturing employment share	0.08
Change in empl4oment-to-population ratio	0.07