

Appendix

A.1 Rural Urban Continuum Codes; Source: U.S. Dpt. of Agriculture, 2013

Code	Description
Metropolitan	
1	Counties in metro areas of 1 million population or more
2	Counties in metro areas of 250,000 to 1 million population
3	Counties in metro areas of fewer than 250,000 population
Intermediate	
4	Urban population of 20,000 or more, adjacent to a metro area
5	Urban population of 20,000 or more, not adjacent to a metro area
6	Urban population of 2,500 to 19,999, adjacent to a metro area
7	Urban population of 2,500 to 19,999, not adjacent to a metro area
Rural	
8	Completely rural or less than 2,500 urban population, adjacent to a metro area
9	Completely rural or less than 2,500 urban population, not adjacent to a metro area

A county is classified as Metropolitan, when it is part of a Metropolitan Statistical Area (MSA). MSAs represent unified labour markets, where each MSA contains a core urban area of at least 50,000 population in one or more core counties, including adjacent counties with a high degree of integration with the urban core. A county can be classified as metropolitan even if it is rural in character. Metropolitan areas are based on the Office of Management and Budget (OMB) delineation as of 2013.

A.2 Correlation Matrix

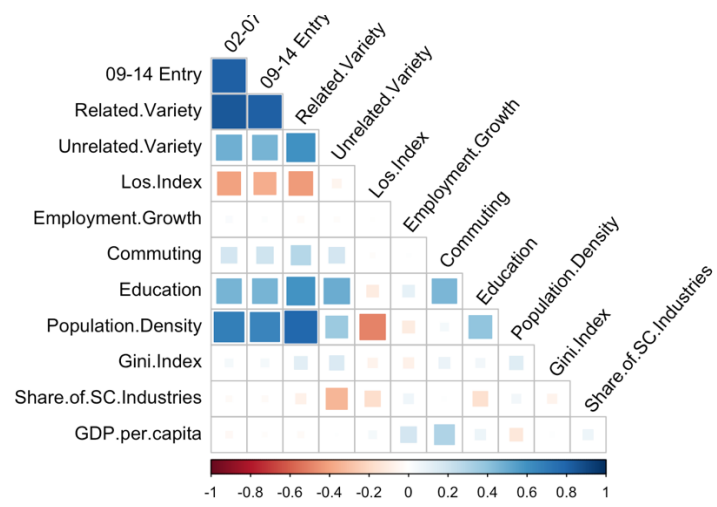


Table A3 – Full regression table

	HR	R	HR	R
Related.Variety	1.472*** (0.127)	3.442*** (0.122)	1.397** (0.144)	3.266*** (0.133)
Unrelated.Variety	1.023 (0.082)	1.034 (0.086)	1.107 (0.133)	1.115 (0.117)
Intermediate	1.575*** (0.142)	1.030 (0.138)	1.565*** (0.143)	1.015 (0.139)
Rural	3.175*** (0.334)	0.901 (0.410)	3.110*** (0.339)	0.884 (0.418)
Los.Index	0.849** (0.082)	0.733*** (0.115)	0.850** (0.082)	0.735*** (0.115)
Employment.Growth	0.870* (0.074)	1.030 (0.064)	0.872* (0.074)	1.033 (0.064)
Commuting	1.063 (0.072)	0.886 (0.089)	1.065 (0.073)	0.887 (0.089)
Education	1.129 (0.084)	0.910 (0.080)	1.123 (0.084)	0.906 (0.081)
Gini.Index	0.911 (0.066)	0.896 (0.071)	0.913 (0.066)	0.900 (0.071)
Share.of.SC.Industries	1.040 (0.061)	1.163** (0.069)	1.039 (0.062)	1.162** (0.069)
GDP.per.capita	1.429* (0.193)	1.242 (0.568)	1.438* (0.193)	1.251 (0.564)
Related.Variety:Intermediate	1.506** (0.165)	1.988*** (0.167)	1.631*** (0.190)	2.172*** (0.190)
Related.Variety:Rural	5.953*** (0.349)	11.194*** (0.550)	6.011*** (0.385)	11.509*** (0.625)
Unrelated.Variety:Intermediate			0.874 (0.154)	0.870 (0.141)
Unrelated.Variety:Rural			0.978 (0.220)	0.951 (0.381)
Constant	0.441 (0.588)	0.363 (0.822)	0.440 (0.588)	0.363 (0.825)
Obs.	3125	3125	3125	3125

Note:

* ** p *** p<0.01

Base group: non-resilient. Includes Rural-Urban Continuum Codes and States as dummies.

Table A4 - Industrial resilience based on the entry dynamics of SC versus B2C industries

	Supply Chain Sectors				Business to Consumer Sectors			
	HR	R	HR	R	HR	R	HR	R
Related.Variety	1.813*** (0.109)	3.914*** (0.117)	1.577*** (0.120)	3.282*** (0.124)	1.498*** (0.099)	3.325*** (0.121)	1.347*** (0.108)	3.031*** (0.129)
Unrelated.Variety	1.016 (0.077)	1.142 (0.088)	0.979 (0.078)	1.134 (0.088)	0.989 (0.069)	1.198** (0.091)	0.975 (0.070)	1.189* (0.091)
Intermediate			1.253* (0.134)	0.958 (0.141)			0.922 (0.124)	1.012 (0.159)
Rural			1.958** (0.322)	0.687 (0.408)			1.476 (0.291)	0.963 (0.384)
Related.Variety:Intermediate			1.366** (0.156)	1.482** (0.164)			1.300* (0.143)	1.098 (0.176)
Related.Variety:Rural			3.985*** (0.328)	8.941*** (0.545)			2.575*** (0.278)	1.279 (0.379)
Los.Index	0.859** (0.076)	0.688*** (0.120)	0.868* (0.077)	0.708*** (0.121)	0.927 (0.062)	0.931 (0.098)	0.951 (0.063)	0.940 (0.097)
Employment.Growth	0.968 (0.058)	1.020 (0.073)	0.953 (0.060)	1.008 (0.074)	1.054 (0.051)	1.133** (0.063)	1.047 (0.053)	1.138** (0.063)
Commuting	1.124* (0.070)	1.010 (0.103)	1.123* (0.069)	1.051 (0.099)	1.068 (0.066)	0.787*** (0.092)	1.069 (0.065)	0.815** (0.088)
Education	0.986 (0.082)	0.832** (0.083)	0.998 (0.081)	0.819** (0.081)	1.111 (0.076)	1.175* (0.084)	1.134* (0.075)	1.164* (0.081)
Gini.Index	0.947 (0.063)	0.943 (0.072)	0.956 (0.063)	0.968 (0.072)	0.963 (0.057)	0.890 (0.073)	0.971 (0.057)	0.908 (0.072)
Share.of.SC.Industries	1.098 (0.057)	1.160** (0.071)	1.117* (0.058)	1.193** (0.072)	0.933 (0.053)	1.103 (0.072)	0.937 (0.053)	1.083 (0.071)
GDP.per.capita	1.175 (0.176)	0.274 (1.075)	1.263 (0.181)	0.246 (1.091)	1.121 (0.261)	1.686 (0.322)	1.199 (0.261)	1.684* (0.312)
Constant	0.285** (0.604)	0.044*** (1.155)	0.342* (0.586)	0.068** (1.133)	0.996 (0.518)	0.127** (0.890)	0.993 (0.499)	0.161** (0.866)
Obs.	3125	3125	3125	3125	3125	3125	3125	3125

Note:

*p**p***p<0.01

Base group: non-resilient. Includes Rural-Urban Continuum Codes and States as dummies.

Table A5 Resilience Classification and Logit Model as performed by Xiao et al. (2017)

	<i>Type A and B</i>		<i>Type A</i>		<i>Type B</i>		
Related.Variety	3.027*** (0.082)	3.047*** (0.098)	2.785*** (0.079)	2.937*** (0.097)	0.966 (0.094)	0.878 (0.111)	
Unrelated.Variety	0.943 (0.062)	1.056 (0.068)	0.992 (0.063)	1.111 (0.071)	0.945 (0.071)	1.006 (0.078)	
Los.Index		0.759*** (0.070)		0.724*** (0.090)		0.839** (0.077)	
Employment.Growth		1.063 (0.049)		1.091* (0.053)		0.982 (0.061)	
Commuting		1.077 (0.068)		0.988 (0.079)		1.100 (0.077)	
Education		0.800*** (0.072)		0.835** (0.071)		0.957 (0.089)	
Gini.Index		0.854*** (0.056)		0.845*** (0.059)		0.974 (0.065)	
Share.of.SC.Industries		0.971 (0.051)		0.961 (0.057)		1.019 (0.060)	
GDP.per.capita		1.042 (0.206)		0.649 (0.624)		1.089 (0.206)	
Constant	1.548 (0.574)	0.950 (0.581)	0.544 (0.646)	0.362 (0.662)	0.177*** (0.608)	0.135*** (0.641)	
Obs.	3125	3125	3125	3125	3125	3125	
Note:						***p<0.01	
	Includes Rural-Urban Continuum Codes and States as dummies.						

Table A6 – Time sensitivity: Pre-Crisis period 2002 - 2005 and post-crisis period 2011 - 2014.

	HR	R	HR	R	HR	R
Related.Variety	2.046*** (0.098)	4.855*** (0.100)	1.820*** (0.116)	4.866*** (0.120)	1.381** (0.128)	3.910*** (0.127)
Unrelated.Variety	1.036 (0.073)	0.892 (0.076)	1.124 (0.081)	1.186* (0.088)	1.097 (0.082)	1.186* (0.088)
Intermediate					1.513*** (0.141)	1.081 (0.141)
Rural					2.854*** (0.331)	0.849 (0.415)
Related.Variety:Intermediate					1.919*** (0.167)	1.753*** (0.170)
Related.Variety:Rural					5.727*** (0.346)	11.299*** (0.588)
Los.Index			0.748*** (0.083)	0.658*** (0.120)	0.756*** (0.085)	0.662*** (0.121)
Employment.Growth			1.001 (0.059)	1.062 (0.066)	0.974 (0.062)	1.054 (0.068)
Commuting			0.995 (0.077)	1.023 (0.099)	0.994 (0.076)	1.072 (0.097)
Education			1.103 (0.085)	0.785*** (0.085)	1.134 (0.085)	0.775*** (0.082)
Gini.Index			0.807*** (0.068)	0.836** (0.073)	0.812*** (0.068)	0.854** (0.072)
Share.of.SC.Industries			0.996 (0.061)	1.297*** (0.071)	1.025 (0.062)	1.334*** (0.072)
GDP.per.capita			1.093 (0.195)	0.554 (0.924)	1.193 (0.198)	0.451 (0.997)
Constant	0.541 (0.635)	0.491 (0.771)	0.248** (0.660)	0.311 (0.809)	0.268** (0.651)	0.459 (0.792)
Obs.	3125	3125	3125	3125	3125	3125

Note:

*p**p***p<0.01

Base group: non-resilient. Includes Rural-Urban Continuum Codes and States as dummies.

Table A7 – Binomial logit estimation

	HR	HR	HR	R	R	R
Related.Variety	2.983*** (0.080)	2.824*** (0.095)	2.478*** (0.103)	3.029*** (0.086)	3.379*** (0.105)	3.013*** (0.111)
Unrelated.Variety	0.936 (0.061)	1.026 (0.068)	1.007 (0.069)	0.881* (0.070)	1.023 (0.080)	1.031 (0.081)
Intermediate			1.211* (0.114)			0.871 (0.128)
Rural			1.570 (0.304)			0.500* (0.365)
Los.Index		0.811*** (0.071)	0.827*** (0.073)		0.763** (0.108)	0.761** (0.111)
Employment.Growth		0.965 (0.054)	0.948 (0.056)		1.078 (0.059)	1.070 (0.061)
Commuting		0.982 (0.066)	0.991 (0.064)		0.853* (0.085)	0.868* (0.084)
Education		0.996 (0.071)	1.008 (0.070)		0.865** (0.074)	0.859** (0.072)
Gini.Index		0.892** (0.056)	0.896* (0.056)		0.912 (0.067)	0.920 (0.067)
Share.of.SC.Industries		1.063 (0.051)	1.080 (0.052)		1.107 (0.065)	1.142** (0.065)
GDP.per.capita		1.296 (0.175)	1.423* (0.182)		0.989 (0.519)	1.075 (0.581)
Related.Variety:Intermediate			1.555*** (0.138)			1.640*** (0.149)
Related.Variety:Rural			4.622*** (0.325)			5.438*** (0.483)
Constant	1.637 (0.546)	1.039 (0.563)	1.106 (0.563)	0.276* (0.756)	0.199** (0.785)	0.232* (0.772)
Obs.	3125	3125	3125	3125	3125	3125

Note:

*p**p***p<0.01

Base group: non resilient. Includes Rural-Urban Continuum Codes and States as dummies.

Table A8 – Binomial Probit Estimation

	HR	HR	HR	R	R	R
Related.Variety	1.899*** (0.046)	1.845*** (0.055)	1.708*** (0.060)	1.959*** (0.049)	2.070*** (0.060)	1.937*** (0.064)
Unrelated.Variety	0.959 (0.036)	1.012 (0.040)	1.001 (0.041)	0.926* (0.040)	1.009 (0.046)	1.011 (0.047)
Intermediate			1.118 (0.068)			0.924 (0.074)
Rural			1.250 (0.176)			0.736 (0.204)
Los.Index		0.882*** (0.040)	0.893*** (0.041)		0.864** (0.058)	0.863** (0.061)
Employment.Growth		0.981 (0.031)	0.971 (0.032)		1.045 (0.034)	1.043 (0.036)
Commuting		0.987 (0.038)	0.995 (0.037)		0.920* (0.048)	0.930 (0.048)
Education		0.997 (0.042)	1.002 (0.041)		0.922* (0.044)	0.917** (0.043)
Gini.Index		0.930** (0.033)	0.935** (0.033)		0.946 (0.038)	0.953 (0.039)
Share.of.SC.Industries		1.034 (0.030)	1.044 (0.031)		1.061 (0.036)	1.079** (0.037)
GDP.per.capita		1.170 (0.106)	1.235* (0.109)		1.008 (0.227)	1.048 (0.271)
Related.Variety:Intermediate			1.316*** (0.080)			1.337*** (0.085)
Related.Variety:Rural			2.345*** (0.180)			2.378*** (0.258)
Constant	1.286 (0.315)	0.979 (0.326)	1.044 (0.324)	0.495* (0.418)	0.415** (0.435)	0.449* (0.437)

Obs.

3125

3125

3125

3125

3125

3125

Note:

*p**p***p<0.01

Base group: non resilient. Includes Rural-Urban Continuum Codes and States as dummies.

Table A9 – Ordered logit estimation

Related.Variety	3.096*** (0.072)	3.186*** (0.086)	2.906*** (0.093)
Unrelated.Variety	0.925 (0.056)	1.025 (0.062)	1.013 (0.063)
Intermediate			1.064 (0.105)
Rural			1.018 (0.263)
Los.Index		0.810*** (0.068)	0.823*** (0.070)
Employment.Growth		1.000 (0.049)	0.991 (0.050)
Commuting		0.926 (0.061)	0.938 (0.059)
Education		0.928 (0.062)	0.929 (0.061)
Gini.Index		0.882** (0.052)	0.889** (0.052)
Share.of.SC.Industries		1.069 (0.048)	1.087* (0.049)
GDP.per.capita		1.287 (0.165)	1.371* (0.167)
Related.Variety:Intermediate			1.437*** (0.122)
Related.Variety:Rural			3.119*** (0.283)
Obs.	3125	3125	3125

Note:

*p**p***p<0.01

Base group: non-resilient. Includes Rural-Urban Continuum Codes and States as dummies.

Table A10 – OLS estimation

	HR	HR	HR	R	R	R
Related.Variety	0.214*** (0.014)	0.209*** (0.016)	0.189*** (0.017)	0.205*** (0.013)	0.223*** (0.015)	0.225*** (0.016)
Unrelated.Variety	-0.016 (0.011)	-0.004 (0.012)	-0.007 (0.012)	-0.022** (0.010)	-0.013 (0.011)	-0.010 (0.011)
Intermediate			0.035* (0.021)			-0.035* (0.020)
Rural			-0.009 (0.050)			-0.189*** (0.047)
Los.Index		-0.023** (0.010)	-0.021** (0.010)		-0.004 (0.009)	-0.007 (0.009)
Employment.Growth		-0.003 (0.008)	-0.004 (0.008)		0.007 (0.008)	0.007 (0.008)
Commuting		-0.002 (0.011)	0.001 (0.011)		-0.012 (0.010)	-0.014 (0.010)
Education		-0.002 (0.012)	-0.001 (0.012)		-0.024** (0.011)	-0.024** (0.011)
Gini.Index		-0.019** (0.009)	-0.017* (0.009)		-0.009 (0.009)	-0.011 (0.009)
Share.of.SC.Industries		0.008 (0.009)	0.009 (0.009)		0.009 (0.008)	0.010 (0.008)
GDP.per.capita		0.039 (0.034)	0.046 (0.034)		0.014 (0.031)	0.012 (0.031)
Related.Variety:Intermediate			0.100*** (0.024)			0.056** (0.022)
Related.Variety:Rural			0.139*** (0.046)			-0.094** (0.043)
Constant	0.568*** (0.093)	0.508*** (0.096)	0.522*** (0.093)	0.318*** (0.086)	0.321*** (0.089)	0.310*** (0.086)
Obs.	3125	3125	3125	3125	3125	3125
R ²	0.298	0.301	0.302	0.282	0.285	0.283

Note:

*p**p***p<0.01

Includes Rural-Urban Continuum Codes and States as dummies.