

## Appendix

**Table A1. Mean and Coefficient of Variation of Productivity Growth, by 4-digit NAICS Manufacturing Industry (1997–2017)**

2012 NAICS code	4-digit NAICS industry	Labor Productivity		Total Factor Productivity	
		mean	CV	mean	CV
3111	Animal Food Manufacturing	2.0	35.0	-0.2	5.2
3112	Grain and Oilseed Milling	1.4	35.0	0.1	7.1
3113	Sugar and Confectionery Product Manufacturing	1.1	23.7	-0.3	9.7
3114	Fruit and Vegetable Preserving and Specialty Food	0.9	20.5	0.1	4.7
3115	Dairy Product Manufacturing	1.0	29.9	0.2	11.7
3116	Animal Slaughtering and Processing	0.6	26.2	0.6	30.6
3117	Seafood Product Preparation and Packaging	3.6	49.6	0.6	14.9
3118	Bakeries and Tortilla Manufacturing	0.2	7.3	-0.7	30.6
3119	Other Food Manufacturing	0.1	3.9	0.2	11.2
3121	Beverage Manufacturing	-0.6	11.0	0.2	8.2
3122	Tobacco Manufacturing	1.9	27.0	-1.2	23.4
3131	Fiber, Yarn, and Thread Mills	2.8	41.2	1.3	24.5
3132	Fabric Mills	2.9	44.1	1.1	35.2
3133	Textile and Fabric Finishing and Fabric Coating Mills	2.4	33.8	-0.1	3.1
3141	Textile Furnishings Mills	0.3	6.8	-1.0	27.4
3149	Other Textile Product Mills	0.3	4.0	0.0	0.2
3151	Apparel Knitting Mills	-0.9	9.4	-1.1	23.3
3152	Cut and Sew Apparel Manufacturing	-1.6	20.6	-1.5	35.9
3159	Apparel Accessories and Other Apparel Manufacturing	-2.9	35.1	-1.4	49.0
3161	Leather and Hide Tanning and Finishing	0.9	6.7	0.5	11.3
3162	Footwear Manufacturing	0.5	9.0	-0.6	27.0
3169	Other Leather and Allied Product Manufacturing	0.6	5.6	-0.2	8.3
3211	Sawmills and Wood Preservation	2.1	52.4	1.4	55.3
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	1.6	51.9	0.8	39.3
3219	Other Wood Product Manufacturing	1.2	36.8	-0.3	11.2
3221	Pulp, Paper, and Paperboard Mills	3.2	111.0	1.1	55.2
3222	Converted Paper Product Manufacturing	1.6	71.0	-0.3	19.2
3231	Printing and Related Support Activities	1.6	72.8	0.2	11.1
3241	Petroleum and Coal Products Manufacturing	1.8	92.0	-0.8	25.1
3251	Basic Chemical Manufacturing	3.2	39.9	0.6	12.9
3252	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments	2.1	40.8	0.2	8.5
3253	Pesticide, Fertilizer, and Other Agricultural Chemical	1.8	25.1	0.8	14.4
3254	Pharmaceutical and Medicine Manufacturing	-0.8	23.2	-1.7	62.1
3255	Paint, Coating, and Adhesive Manufacturing	0.4	10.6	0.1	1.9
3256	Soap, Cleaning Compound, and Toilet Preparation Manufacturing	1.4	23.1	0.5	9.7
3259	Other Chemical Product and Preparation Manufacturing	1.6	55.7	0.6	25.4
3261	Plastics Product Manufacturing	1.2	39.9	0.2	8.9
3262	Rubber Product Manufacturing	0.9	29.8	0.1	5.1
3271	Clay Product and Refractory Manufacturing	1.3	25.0	-0.1	2.3
3272	Glass and Glass Product Manufacturing	2.2	67.3	0.5	19.9
3273	Cement and Concrete Product Manufacturing	-0.2	5.6	-0.7	22.4
3274	Lime and Gypsum Product Manufacturing	1.7	39.7	-0.2	5.0
3279	Other Nonmetallic Mineral Product Manufacturing	0.8	18.7	0.2	4.6
3311	Iron and Steel Mills and Ferroalloy Manufacturing	3.4	60.8	1.2	51.9
3312	Steel Product Manufacturing from Purchased Steel	-0.3	5.9	-0.4	7.6
3313	Alumina and Aluminum Production and Processing	2.8	47.9	1.5	38.2
3314	Nonferrous Metal (except Aluminum) Production and Processing	1.6	32.7	0.4	8.5
3315	Foundries	1.5	56.2	0.1	2.4
3321	Forging and Stamping	2.4	65.2	0.9	15.2
3322	Cutlery and Hand Tool Manufacturing	1.5	32.1	0.3	9.1

Table A1 Continued. Mean and Coefficient of Variation of Productivity Growth, by 4-digit Manufacturing Industry (1997–2017)

2012 NAICS code	4-digit NAICS industry	Labor Productivity		Total Factor Productivity	
		mean	CV	mean	CV
3323	Architectural and Structural Metals Manufacturing	0.5	18.2	-0.3	9.0
3324	Boiler, Tank, and Shipping Container Manufacturing	0.3	9.0	-0.2	3.4
3325	Hardware Manufacturing	0.4	9.5	-0.8	30.8
3326	Spring and Wire Product Manufacturing	1.9	51.8	0.4	11.4
3327	Machine Shops; Turned Product; and Screw, Nut, and Bolt	1.0	40.2	0.0	1.5
3328	Coating, Engraving, Heat Treating, and Allied Activities	1.2	28.4	0.9	20.0
3329	Other Fabricated Metal Product Manufacturing	0.0	1.3	-0.5	16.4
3331	Agriculture, Construction, and Mining Machinery Manufacturing	0.6	9.8	-0.7	16.9
3332	Industrial Machinery Manufacturing	0.9	14.0	1.0	17.4
3333	Commercial and Service Industry Machinery Manufacturing	1.4	26.4	0.0	1.2
3334	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing	1.4	34.5	0.5	23.2
3335	Metalworking Machinery Manufacturing	1.9	56.9	1.1	26.7
3336	Engine, Turbine, and Power Transmission Equipment Manufacturing	0.9	16.2	-0.1	2.4
3339	Other General Purpose Machinery Manufacturing	1.7	41.0	0.2	5.2
3341	Computer and Peripheral Equipment Manufacturing	10.9	65.5	9.6	82.6
3342	Communications Equipment Manufacturing	3.6	35.4	0.9	16.3
3343	Audio and Video Equipment Manufacturing	2.0	16.2	2.4	59.6
3344	Semiconductor and Other Electronic Component Manufacturing	10.0	78.4	6.3	61.0
3345	Navigational, Measuring, Electromedical, and Control Instruments	2.8	77.7	0.5	23.4
3346	Manufacturing and Reproducing Magnetic and Optical Media	0.2	1.8	0.5	8.5
3351	Electric Lighting Equipment Manufacturing	1.4	34.0	0.6	20.1
3352	Household Appliance Manufacturing	2.8	67.7	1.7	65.2
3353	Electrical Equipment Manufacturing	0.4	9.2	-0.3	12.3
3359	Other Electrical Equipment and Component Manufacturing	0.4	8.4	0.3	8.1
3361	Motor Vehicle Manufacturing	3.3	40.8	0.3	7.9
3362	Motor Vehicle Body and Trailer Manufacturing	1.7	30.6	0.2	6.6
3363	Motor Vehicle Parts Manufacturing	3.0	82.3	1.4	75.8
3364	Aerospace Product and Parts Manufacturing	2.3	52.7	0.9	34.7
3365	Railroad Rolling Stock Manufacturing	2.8	55.3	0.7	18.2
3366	Ship and Boat Building	2.3	64.3	0.9	39.7
3369	Other Transportation Equipment Manufacturing	4.6	40.0	1.5	24.5
3371	Household and Institutional Furniture and Kitchen Cabinet	0.8	30.8	0.1	4.9
3372	Office Furniture (including Fixtures) Manufacturing	1.4	28.5	0.2	4.5
3379	Other Furniture Related Product Manufacturing	2.4	72.8	0.0	1.0
3391	Medical Equipment and Supplies Manufacturing	2.0	48.7	0.3	14.3
3399	Other Miscellaneous Manufacturing	1.1	30.2	0.5	19.2

Source: Authors' calculations based on the BLS Industry Productivity Statistics.

Table A2. 90–10 Dispersion Growth and Entry Rates (1997–2016)

	Establishment Entry		Firm Entry	
	LP Dispersion (1)	TFP Dispersion (2)	LP Dispersion (3)	TFP Dispersion (4)
Lag 1 Entry	-0.12 (0.32)	0.02 (0.45)	-0.08 (0.29)	-0.27 (0.38)
Lag 2 Entry	0.33 (0.27)	-0.27 (0.38)	0.10 (0.19)	-0.12 (0.36)
Lag 3 Entry	-0.43* (0.26)	-0.36 (0.24)	-0.26 (0.17)	-0.32 (0.20)
Lag 1 Entry x Tech	-0.12 (0.50)	1.83* (0.98)	-0.10 (0.44)	1.39 (1.09)
Lag 2 Entry x Tech	-0.28 (0.47)	-1.14 (0.92)	0.09 (0.65)	-1.04 (1.01)
Lag 3 Entry x Tech	0.70 (0.56)	0.16 (0.73)	0.35 (0.59)	0.40 (0.62)
Joint Hypothesis Tests:				
Lag 1 Entry + Lag 1 Entry x Tech	-0.24 (0.43)	1.85** (0.87)	-0.18 (0.37)	1.12 (1.02)
Lag 2 Entry + Lag 2 Entry x Tech	0.05 (0.40)	-1.41 (0.85)	0.19 (0.63)	-1.16 (0.96)
Lag 3 Entry + Lag 3 Entry x Tech	0.27 (0.52)	-0.20 (0.70)	0.10 (0.58)	0.08 (0.60)
Observations	860	860	860	860
R-squared	0.07	0.07	0.06	0.06

Notes: Standard errors in parentheses are clustered at the industry level. Controls include a constant, period effects, and industry effects. \*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$ .

Source: Authors' analysis based on Dispersion Statistics on Productivity and Business Dynamic Statistics.

Table A3. IQR Dispersion Growth and Entry Rates (1997–2016)

	Establishment Entry		Firm Entry	
	LP Dispersion (1)	TFP Dispersion (2)	LP Dispersion (3)	TFP Dispersion (4)
Lag 1 Entry	0.12 (0.66)	0.84 (0.61)	0.09 (0.58)	0.59 (0.43)
Lag 2 Entry	-0.63 (0.45)	-1.10* (0.62)	-0.62* (0.32)	-0.93* (0.53)
Lag 3 Entry	0.18 (0.32)	-0.75 (0.56)	0.18 (0.33)	-0.68 (0.46)
Lag 1 Entry x Tech	0.25 (0.85)	-0.07 (1.52)	-0.10 (0.84)	0.32 (1.85)
Lag 2 Entry x Tech	-0.36 (0.99)	-1.76 (1.68)	-0.28 (0.96)	-2.22 (2.07)
Lag 3 Entry x Tech	0.53 (0.67)	0.97 (1.19)	0.94 (0.78)	1.15 (1.09)
Joint Hypothesis Tests:				
Lag 1 Entry + Lag 1 Entry x Tech	0.37 (0.67)	0.77 (1.41)	-0.01 (0.67)	0.91 (1.79)
Lag 2 Entry + Lag 2 Entry x Tech	-1.00 (0.90)	-2.87* (1.59)	-0.89 (0.91)	-3.15 (2.01)
Lag 3 Entry + Lag 3 Entry x Tech	0.71 (0.65)	0.22 (1.09)	1.12 (0.78)	0.47 (1.02)
Observations	860	860	860	860
R-squared	0.06	0.05	0.07	0.05

Notes: This table corresponds to columns 1 and 3 in Tables 2 and 3; however, here we use dispersion statistics that are not activity weighted. Standard errors in parentheses are clustered at the industry level. Controls include a constant, period effects, and industry effects. \*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$ .

Source: Authors' analysis based on Dispersion Statistics on Productivity and Business Dynamic Statistics.

Table A4. Productivity Growth and Entry Rates (1987–2017)

	Establishment Entry		Firm Entry	
	LP (1)	TFP (2)	LP (3)	TFP (4)
Lag 1 Entry	0.27** (0.12)	0.05 (0.05)	0.17 (0.11)	0.01 (0.04)
Lag 2 Entry	-0.25 (0.17)	-0.17*** (0.06)	-0.22 (0.16)	-0.10* (0.05)
Lag 3 Entry	-0.07 (0.12)	0.04 (0.06)	-0.02 (0.12)	0.04 (0.05)
Lag 1 Entry x Tech	-0.68** (0.33)	-0.36 (0.23)	-0.21 (0.36)	-0.08 (0.21)
Lag 2 Entry x Tech	0.55 (0.41)	0.40 (0.25)	0.24 (0.42)	0.15 (0.23)
Lag 3 Entry x Tech	1.12*** (0.34)	0.57** (0.28)	1.12*** (0.32)	0.67*** (0.25)
Joint Hypothesis Tests:				
Lag 1 Entry + Lag 1 Entry x Tech	-0.42 (0.32)	-0.31 (0.24)	-0.04 (0.35)	-0.07 (0.21)
Lag 2 Entry + Lag 2 Entry x Tech	0.30 (0.38)	0.23 (0.25)	0.02 (0.39)	0.05 (0.23)
Lag 3 Entry + Lag 3 Entry x Tech	1.06*** (0.32)	0.61** (0.28)	1.10*** (0.30)	0.71*** (0.25)
Observations	1,290	1,290	1,290	1,290
R-squared	0.30	0.36	0.31	0.37

Notes: This table corresponds to columns 2 and 4 in Tables 2 and 3; however, here we use a longer time series. Robust standard errors in parentheses are clustered at the industry level. Controls include a constant, period effects, and industry effects. \*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$ .

Source: Authors' analysis based on the BLS Industry Productivity Statistics and Business Dynamic Statistics.

Table A5. 75–50 and 50–25 LP Dispersion Growth and Entry Rates

	Establishment Entry		Firm Entry	
	75–50 (1)	50–25 (2)	75–50 (3)	50–25 (4)
Lag 1 Entry	0.80** (0.34)	0.16 (0.34)	0.75** (0.29)	0.24 (0.29)
Lag 2 Entry	-0.39 (0.35)	-0.15 (0.38)	-0.68 (0.48)	-0.15 (0.33)
Lag 3 Entry	-0.27 (0.85)	-0.24 (0.47)	0.09 (0.85)	-0.26 (0.39)
Lag 1 Entry + Lag 1 Entry x Tech	-0.50 (2.11)	-2.61 (1.89)	-1.35 (1.92)	-2.00 (1.68)
Lag 2 Entry + Lag 2 Entry x Tech	0.57 (1.55)	0.12 (1.30)	1.64 (1.61)	(0.09) (1.44)
Lag 3 Entry + Lag 3 Entry x Tech	0.9 (0.96)	2.22* (1.25)	0.64 (0.90)	1.61 (1.12)
Joint hypothesis tests:				
Lag 1 Entry + Lag 1 Entry x Tech	0.30 (2.13)	-2.45 (1.88)	-0.60 (1.92)	-1.76 (1.67)
Lag 2 Entry + Lag 2 Entry x Tech	0.18 (1.54)	-0.03 (1.27)	0.96 (1.55)	-0.24 (1.41)
Lag 3 Entry + Lag 3 Entry x Tech	0.63 (0.70)	1.97* (1.16)	0.72 (0.75)	1.35 (1.06)
Observations	860	860	860	860
R-squared	0.06	0.06	0.06	0.06

Notes: Robust standard errors in parentheses are clustered at the industry level. Controls include a constant, period effects, and industry effects. \*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$ .

Source: Authors' analysis based on restricted-use dispersion measures and Business Dynamic Statistics.

Table A6. 90–50 and 50–10 Dispersion Growth and Entry Rates

	<u>Establishment entry</u>				<u>Firm entry</u>			
	LP		TFP		LP		TFP	
	90–50 (1)	50–10 (2)	90–50 (3)	50–10 (4)	90–50 (5)	50–10 (6)	90–50 (7)	50–10 (8)
Lag 1 Entry	-0.12 (0.25)	-0.23 (0.46)	-0.09 (0.62)	-0.17 (0.57)	-0.14 (0.24)	-0.11 (0.42)	-0.31 (0.53)	-0.39 (0.52)
Lag 2 Entry	0.50 (0.40)	0.78 (0.57)	0.07 (0.53)	-0.61 (0.58)	0.24 (0.30)	0.52 (0.43)	-0.08 (0.40)	-0.33 (0.49)
Lag 3 Entry	-0.30 (0.41)	-0.52 (0.43)	-0.91** (0.36)	0.46 (0.35)	-0.11 (0.30)	-0.31 (0.30)	-0.72** (0.28)	0.42 (0.31)
Lag 1 Entry + Lag 1 Entry x Tech	0.25 (0.81)	-0.74 (1.24)	2.07* (1.20)	3.01** (1.19)	-0.24 (0.72)	-0.03 (1.10)	2.65* (1.34)	2.51* (1.48)
Lag 2 Entry + Lag 2 Entry x Tech	0.34 (0.57)	-0.66 (0.78)	-5.17* (2.91)	0.13 (0.93)	1.16 (0.88)	-0.81 (0.86)	-5.98 (4.04)	1.07 (1.29)
Lag 3 Entry + Lag 3 Entry x Tech	-0.06 (0.65)	1.81** (0.79)	2.54 (1.86)	-1.77* (1.06)	-0.26 (0.66)	1.17* (0.60)	2.83 (1.70)	-2.12** (0.96)
Joint hypothesis tests:								
Lag 1 Entry + Lag 1 Entry x Tech	0.13 (0.77)	-0.97 (1.18)	1.98* (1.15)	2.84*** (1.04)	-0.38 (0.70)	-0.15 (1.05)	2.34* (1.26)	2.12 (1.40)
Lag 2 Entry + Lag 2 Entry x Tech	0.84* (0.43)	0.11 (0.57)	-5.10* (2.96)	-0.48 (0.77)	1.40* (0.84)	-0.29 (0.76)	-6.07 (4.06)	0.74 (1.19)
Lag 3 Entry + Lag 3 Entry x Tech	-0.36 (0.55)	1.29* (0.69)	1.63 (1.79)	-1.31 (1.02)	-0.36 (0.60)	0.86 (0.54)	2.11 (1.67)	-1.70* (0.93)
Observations	860	860	860	860	860	860	860	860
R-squared	0.07	0.09	0.07	0.07	0.07	0.08	0.08	0.06

Notes: Robust standard errors in parentheses are clustered at the industry level. Controls include a constant, period effects, and industry effects. \*  $p < 0.10$ , \*\*  $p < 0.05$ , \*\*\*  $p < 0.01$ .

Source: Authors' analysis based on restricted-use dispersion measures and Business Dynamic Statistics.

Table A7. AR1 Model of Establishment Entry by 4-digit NAICS Industry (1991–2015)

2012 NAICS code	High- Tech	4-digit NAICS industry	Coef	S.E.	R- squared
3111		Animal Food Manufacturing	0.33	(0.21)	0.14
3112		Grain and Oilseed Milling	-0.01	(0.24)	0.00
3113		Sugar and Confectionery Product Manufacturing	0.59***	(0.17)	0.52
3114		Fruit and Vegetable Preserving and Specialty Food Manufacturing	0.32	(0.33)	0.04
3115		Dairy Product Manufacturing	0.66	(0.42)	0.29
3116		Animal Slaughtering and Processing	0.65***	(0.17)	0.63
3117		Seafood Product Preparation and Packaging	0.75***	(0.16)	0.62
3118		Bakeries and Tortilla Manufacturing	0.79***	(0.14)	0.67
3119		Other Food Manufacturing	-0.19	(0.28)	0.03
3121		Beverage Manufacturing	1.15***	(0.23)	0.73
3122		Tobacco Manufacturing	0.06	(0.30)	0.00
3131		Fiber, Yarn, and Thread Mills	0.51*	(0.25)	0.26
3132		Fabric Mills	0.92***	(0.12)	0.88
3133		Textile and Fabric Finishing and Fabric Coating Mills	0.57**	(0.18)	0.34
3141		Textile Furnishings Mills	0.79***	(0.13)	0.66
3149		Other Textile Product Mills	0.77***	(0.15)	0.68
3151		Apparel Knitting Mills	0.70***	(0.21)	0.53
3152		Cut and Sew Apparel Manufacturing	0.50**	(0.20)	0.25
3159		Apparel Accessories and Other Apparel Manufacturing	0.68***	(0.15)	0.51
3161		Leather and Hide Tanning and Finishing	-0.05	(0.35)	0.00
3162		Footwear Manufacturing	0.49	(0.30)	0.05
3169		Other Leather and Allied Product Manufacturing	0.25	(0.32)	0.04
3211		Sawmills and Wood Preservation	0.67**	(0.22)	0.54
3212		Veneer, Plywood, and Engineered Wood Product Manufacturing	0.66***	(0.20)	0.48
3219		Other Wood Product Manufacturing	0.76***	(0.18)	0.63
3221		Pulp, Paper, and Paperboard Mills	0.34	(0.25)	0.11
3222		Converted Paper Product Manufacturing	0.93***	(0.10)	0.87
3231		Printing and Related Support Activities	0.68***	(0.05)	0.87
3241	Y	Petroleum and Coal Products Manufacturing	0.46**	(0.16)	0.18
3251	Y	Basic Chemical Manufacturing	0.49	(0.29)	0.20
3252	Y	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	0.82***	(0.20)	0.48

Table A7 Continued. AR1 Model of Establishment Entry by 4-digit NAICS Industry (1991–2015)

2012 NAICS code	High- Tech	4-digit NAICS industry	Coef	S.E.	R- squared
3253		Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing	-0.44	(0.30)	0.21
3254	Y	Pharmaceutical and Medicine Manufacturing	0.42	(0.31)	0.16
3255		Paint, Coating, and Adhesive Manufacturing	0.48	(0.26)	0.23
3256		Soap, Cleaning Compound, and Toilet Preparation Manufacturing	0.70***	(0.17)	0.58
3259		Other Chemical Product and Preparation Manufacturing	0.41	(0.25)	0.23
3261		Plastics Product Manufacturing	0.84***	(0.10)	0.83
3262		Rubber Product Manufacturing	0.83***	(0.10)	0.89
3271		Clay Product and Refractory Manufacturing	0.66***	(0.17)	0.56
3272		Glass and Glass Product Manufacturing	0.76***	(0.12)	0.80
3273		Cement and Concrete Product Manufacturing	0.40	(0.23)	0.18
3274		Lime and Gypsum Product Manufacturing	0.63***	(0.20)	0.57
3279		Other Nonmetallic Mineral Product Manufacturing	0.77**	(0.25)	0.46
3311		Iron and Steel Mills and Ferroalloy Manufacturing	0.16	(0.23)	0.03
3312		Steel Product Manufacturing from Purchased Steel	0.43**	(0.17)	0.17
3313		Alumina and Aluminum Production and Processing	0.89***	(0.25)	0.54
3314		Nonferrous Metal (except Aluminum) Production and Processing	0.43	(0.24)	0.16
3315		Foundries	0.67***	(0.13)	0.56
3321		Forging and Stamping	0.68***	(0.13)	0.64
3322		Cutlery and Handtool Manufacturing	0.68***	(0.17)	0.59
3323		Architectural and Structural Metals Manufacturing	0.66***	(0.16)	0.51
3324		Boiler, Tank, and Shipping Container Manufacturing	0.41*	(0.22)	0.21
3325		Hardware Manufacturing	0.61***	(0.17)	0.45
3326		Spring and Wire Product Manufacturing	0.70***	(0.15)	0.66
3327		Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	0.90***	(0.14)	0.76
3328		Coating, Engraving, Heat Treating, and Allied Activities	0.75***	(0.14)	0.59
3329		Other Fabricated Metal Product Manufacturing	0.31*	(0.17)	0.12
3331		Agriculture, Construction, and Mining Machinery Manufacturing	0.47**	(0.20)	0.21
3332	Y	Industrial Machinery Manufacturing	0.73***	(0.17)	0.59
3333	Y	Commercial and Service Industry Machinery Manufacturing	0.72***	(0.16)	0.67
3334		Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing	0.93***	(0.16)	0.70
3335		Metalworking Machinery Manufacturing	0.83***	(0.12)	0.77

Table A7 Continued. AR1 Model of Establishment Entry by 4-digit NAICS Industry (1991–2015)

2012 NAICS code	High- Tech	4-digit NAICS industry	Coef	S.E.	R- squared
3336	Y	Engine, Turbine, and Power Transmission Equipment Manufacturing	0.27	(0.17)	0.07
3339	Y	Other General Purpose Machinery Manufacturing	0.99***	(0.13)	0.86
3341	Y	Computer and Peripheral Equipment Manufacturing	0.77***	(0.14)	0.65
3342	Y	Communications Equipment Manufacturing	0.41*	(0.20)	0.19
3343	Y	Audio and Video Equipment Manufacturing	0.15	(0.32)	0.02
3344	Y	Semiconductor and Other Electronic Component Manufacturing	0.83***	(0.11)	0.85
3345	Y	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	0.99***	(0.12)	0.83
3346	Y	Manufacturing and Reproducing Magnetic and Optical Media	0.83***	(0.16)	0.66
3351		Electric Lighting Equipment Manufacturing	0.08	(0.13)	0.01
3352		Household Appliance Manufacturing	0.03	(0.29)	0.00
3353	Y	Electrical Equipment Manufacturing	0.76***	(0.19)	0.55
3359		Other Electrical Equipment and Component Manufacturing	0.64**	(0.24)	0.39
3361		Motor Vehicle Manufacturing	0.35	(0.32)	0.10
3362		Motor Vehicle Body and Trailer Manufacturing	0.71***	(0.17)	0.49
3363		Motor Vehicle Parts Manufacturing	0.83***	(0.12)	0.71
3364	Y	Aerospace Product and Parts Manufacturing	0.08	(0.12)	0.01
3365		Railroad Rolling Stock Manufacturing	-0.27	(0.16)	0.14
3366		Ship and Boat Building	0.81***	(0.13)	0.70
3369		Other Transportation Equipment Manufacturing	0.44	(0.27)	0.18
3371		Household and Institutional Furniture and Kitchen Cabinet Manufacturing	0.90***	(0.09)	0.82
3372		Office Furniture (including Fixtures) Manufacturing	0.81***	(0.13)	0.81
3379		Other Furniture Related Product Manufacturing	0.72***	(0.10)	0.69
3391		Medical Equipment and Supplies Manufacturing	0.83***	(0.09)	0.89
3399		Other Miscellaneous Manufacturing	0.33	(0.27)	0.12

Notes: \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

Source: Authors' analysis based on the Business Dynamic Statistics.