TABLE 140

Factors adversely affecting production of artificial intelligence or goods or services that included artificial intelligence, by company size: 2016−18

(Number and percent)

Employment size	Companies (number)	This technology was too expensive		The technology was not mature		Lacked access to required data		Required data not reliable		Lacked access to required human capital and talent		Laws and regulations		Concerns regarding safety and security (physical security and/ or cybersecurity)		Lacked access to capital		Technology not applicable to this business		No factors adversely affected the adoption of this technology	
All companies	4,805,151	5.4		1.1		0.5		0.3		0.7		0.4		0.6		0.8		48.0		43.2	
Micro companies																					
1−4	2,667,724	5.2		0.9		0.5		0.3		0.7		0.4		0.5		0.8		48.6		42.6	
5−9	936,576	5.9		1.1		0.6		0.3		0.7		0.4		0.6		0.9		48.5		42.5	
Small companies																					
10−19	579,513	5.7		1.1		0.4		0.2		0.7		0.4		0.5		0.8		46.6		44.6	
20−49	402,199	5.4		1.3		0.5		0.3		0.7		0.4		0.9		0.9		47.2		44.8	
Medium companies																					
50−99	119,497	5.3		2.0		0.8		0.4		1.3		0.5		0.5		0.9		45.1		46.2	
100−249	65,565	5.5		2.7		0.7		0.3		1.6		0.7		0.9		1.0		44.6		45.7	
Large companies																					
250−499	18,897	7.4		3.1		0.5		0.5	r	2.6		0.2		1.4		1.3	r	43.4		45.6	
500−999	7,289	5.7	r	2.8		0.7		1.3	r	1.7		0.4		0.8		0.8		43.0		47.0	
1,000−4,999	6,199	7.9	r	5.4	r	1.3		1.5		2.3		0.7		1.5		0.9		36.2		51.0	
5,000−9,999	823	5.7		6.1		2.8		1.7		4.9		1.0		1.8		1.5		31.1		51.2	
10,000−24,999	514	8.8		8.8		3.7		3.5		5.6		3.1		6.2		1.8		26.8		54.3	
25,000 or more	358	18.4	r	13.1		4.7		5.9		10.3		2.8		4.7		3.4		27.4		40.5	

r = relative standard error > 50%.

Note(s):
Detail may not add to total because of rounding. Detail may exceed total because companies could select more than one response. Statistics are representative of companies located in the United States.

Source(s):
National Center for Science and Engineering Statistics and Census Bureau, 2019 Annual Business Survey: Data Year 2018.