

1 Growth Table - First Half

	Dependent Variable: Productivity Growth					
	First Half of Study		No Prior Computer Experience		Computer Experience	
	(1)	(2)	(3)	(4)	(5)	(6)
Sum of Temperature Coefficients	-0.02075*** [0.003]	-0.02129*** [0.003]	-0.01947** [0.019]	-0.02108** [0.015]	-0.02251** [0.036]	-0.02314* [0.066]
Temperature ($^{\circ}C$)	-0.0126* (0.00612)	-0.0126* (0.00599)	-0.0119 (0.00705)	-0.0124 (0.00688)	-0.0158 (0.0119)	-0.0222 (0.0113)
Lag 1 of Temperature	-0.000961 (0.0116)	-0.00278 (0.0114)	-0.00521 (0.0141)	-0.00747 (0.0139)	0.0167 (0.0154)	0.0246 (0.0124)
Lag 2 of Temperature	0.00772 (0.0105)	0.00982 (0.0102)	0.0133 (0.0127)	0.0157 (0.0124)	-0.0139 (0.0136)	-0.0176 (0.0123)
Lag 3 of Temperature	-0.0150* (0.00646)	-0.0157* (0.00680)	-0.0157* (0.00784)	-0.0170* (0.00831)	-0.00946 (0.0103)	-0.00803 (0.00970)
Control for Lag of Dependent Variable	No	Yes	No	Yes	No	Yes
Dependent Variable Mean	0.0998	0.0987	0.112	0.111	0.0593	0.0584
Observations	2246	2234	1721	1710	523	522
R-squared	0.219	0.242	0.206	0.230	0.306	0.422

2 Growth Table - Full Study

	Dependent Variable: Productivity Growth					
	Full Sample		No Prior Computer Experience		Computer Experience	
	(1)	(2)	(3)	(4)	(5)	(6)
Sum of Temperature Coefficients	-0.00159 [0.676]	-0.00191 [0.604]	-0.00267 [0.447]	-0.00356 [0.311]	-0.00407 [0.731]	0.00020 [0.985]
Temperature ($^{\circ}C$)	-0.000826 (0.00600)	-0.00267 (0.00592)	-0.00421 (0.00498)	-0.00699 (0.00478)	0.00698 (0.0192)	0.00199 (0.0148)
Lag 1 of Temperature	-0.00232 (0.00811)	-0.000455 (0.00812)	-0.00356 (0.00834)	-0.000624 (0.00830)	0.00322 (0.0217)	0.0101 (0.0169)
Lag 2 of Temperature	-0.00162 (0.00659)	-0.000502 (0.00648)	0.00556 (0.00739)	0.00657 (0.00736)	-0.0308* (0.0147)	-0.0267* (0.0128)
Lag 3 of Temperature	0.00318 (0.00570)	0.00171 (0.00555)	-0.000453 (0.00461)	-0.00252 (0.00459)	0.0165 (0.0217)	0.0147 (0.0192)
Control for Lag of Dependent Variable	No	Yes	No	Yes	No	Yes
Dependent Variable Mean	0.0624	0.0644	0.0699	0.0729	0.0378	0.0374
Observations	4363	4275	3336	3258	1027	1017
R-squared	0.157	0.174	0.161	0.177	0.160	0.300

3 Growth Table - Placebo

	Dependent Variable: Productivity Growth			
	First Half of Study	Second Half of Study	First Half of Study	Second Half of Study
	(1)	(2)	(3)	(4)
Sum of Temperature Coefficients	-0.02075*** [0.003]	0.00611 [0.473]	-0.02129*** [0.003]	0.00794 [0.274]
Temperature ($^{\circ}C$)	-0.0126* (0.00612)	0.0139 (0.0137)	-0.0126* (0.00599)	0.00716 (0.0126)
Lag 1 of Temperature	-0.000961 (0.0116)	-0.0107 (0.0149)	-0.00278 (0.0114)	0.00202 (0.0140)
Lag 2 of Temperature	0.00772 (0.0105)	-0.0156 (0.00813)	0.00982 (0.0102)	-0.0169** (0.00637)
Lag 3 of Temperature	-0.0150* (0.00646)	0.0186 (0.0103)	-0.0157* (0.00680)	0.0157 (0.00803)
Control for Lag of Dependent Variable	No	No	Yes	Yes
Dependent Variable Mean	0.0998	0.0226	0.0987	0.0262
Observations	2246	2116	2234	2035
R-squared	0.219	0.158	0.242	0.385

4 Growth Table w/ Leads - First Half

	Dependent Variable: Productivity Growth			
	Full Sample		No Prior Computer Experience	Computer Experience
	(1)	(2)	(3)	(4)
Sum of Lead Temperature Coefficients	0.00320 [0.641]	0.00868 [0.182]	0.00655 [0.384]	0.01487 [0.362]
Temperature ($^{\circ}C$)	-0.0132* (0.00560)	-0.0157** (0.00538)	-0.0162** (0.00614)	-0.0104 (0.0118)
Lead 1 of Temperature	0.00681 (0.00771)	0.0108 (0.00737)	0.00678 (0.00860)	0.0129 (0.0131)
Lead 2 of Temperature	-0.00465 (0.00760)	-0.00467 (0.00755)	0.00244 (0.00868)	-0.0173 (0.0139)
Lead 3 of Temperature	0.00104 (0.00590)	0.00256 (0.00584)	-0.00267 (0.00667)	0.0193 (0.0145)
Control for Lag of Dependent Variable	No	Yes	Yes	Yes
Dependent Variable Mean	0.0998	0.0987	0.111	0.0584
Observations	2246	2234	1710	522
R-squared	0.217	0.241	0.228	0.417

5 Growth Table w/ Leads - Full Sample

	Dependent Variable: Productivity Growth			
	Full Sample		No Prior Computer Experience	Computer Experience
	(1)	(2)	(3)	(4)
Sum of Lead Temperature Coefficients	0.00363 [0.339]	0.00701* [0.052]	0.00607 [0.169]	0.00348 [0.659]
Temperature ($^{\circ}C$)	-0.00556 (0.00394)	-0.00697 (0.00369)	-0.00902* (0.00397)	0.000782 (0.00641)
Lead 1 of Temperature	0.00645 (0.00517)	0.00769 (0.00495)	0.00389 (0.00591)	0.00950 (0.00721)
Lead 2 of Temperature	-0.00381 (0.00627)	-0.00287 (0.00608)	0.00368 (0.00627)	-0.0176 (0.0146)
Lead 3 of Temperature	0.000985 (0.00421)	0.00218 (0.00415)	-0.00150 (0.00447)	0.0116 (0.00871)
Control for Lag of Dependent Variable	No	Yes	Yes	Yes
Dependent Variable Mean	0.0624	0.0644	0.0729	0.0374
Observations	4363	4275	3258	1017
R-squared	0.157	0.174	0.177	0.298

6 Productivity with N lags

	Dependent Variable: Productivity							
	N = 0 Lags		N = 1 Lag		N = 2 Lags		N = 3 Lags	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Temperature ($^{\circ}C$)	-11.65**** (2.852)	-12.62**** (2.402)	-12.92**** (3.460)	-15.12**** (2.740)	-13.15**** (3.573)	-15.59**** (2.784)	-13.53**** (3.619)	-15.91**** (2.808)
Control for Lag of Dependent Variable	No	Yes	No	Yes	No	Yes	No	Yes
Dependent Variable Mean	1581.2	1621.7	1581.2	1621.7	1581.2	1621.7	1581.2	1621.7
Observations	9515	8447	9515	8447	9515	8447	9515	8447
R-squared	0.871	0.881	0.871	0.881	0.871	0.881	0.871	0.881

7 Table 1

	Dependent Variable is Average Hourly				
	Quality Adjusted Output	Total Number of Entries	Active Typing Time	Mistakes (per 100 entries)	Performance Earnings
	(1)	(2)	(3)	(4)	(5)
Temperature ($^{\circ}C$)	-11.05*** (2.656)	-11.40*** (2.728)	-0.146*** (0.0305)	-0.0342 (0.0324)	-0.192*** (0.0546)
Dependent Variable Mean	1570.5	1683.1	25.88	11.35	21.15
Observations	10884	10884	10884	10884	10884
R-squared	0.864	0.858	0.549	0.661	0.761

8 Table 2

	Dependent Variable is Average Hourly Quality Adjust Output			
	N = No Lags	N = Three Lags	N = Four Lags	N = Five Lags
	(1)	(2)	(3)	(4)
Temperature ($^{\circ}C$)	-10.80*** (2.561)	-13.82*** (3.284)	-14.10*** (3.325)	-14.28*** (3.310)
Sum of Lagged Temperature Coefficients, Lag 3 to N	.	-4.128	-6.930	-8.585
p-value	.	0.107	0.0308	0.0102
Observations	10215	10215	10215	10215
R-squared	0.871	0.871	0.871	0.872

9 Table a1

	Dependent Variable is Average Hourly				
	Quality Adjusted Output	Total Number of Entries	Active Typing Time	Mistakes (per 100 entries)	Performance Earnings
	(1)	(2)	(3)	(4)	(5)
Heat Index	-6.475*** (1.374)	-6.454*** (1.411)	-0.0803*** (0.0157)	0.000256 (0.0175)	-0.0958*** (0.0287)
Dependent Variable Mean	1570.5	1683.1	25.88	11.35	21.15
Observations	10884	10884	10884	10884	10884
R-squared	0.864	0.858	0.549	0.661	0.761

10 Table a2

	Dependent Variable is Average Hourly				
	Quality Adjusted Output	Total Number of Entries	Active Typing Time	Mistakes (per 100 entries)	Performance Earnings
	(1)	(2)	(3)	(4)	(5)
Temperature ($^{\circ}C$)	-11.06*** (2.653)	-11.36*** (2.724)	-0.145*** (0.0304)	-0.0296 (0.0326)	-0.191*** (0.0550)
PM 2.5	0.00786 (0.137)	-0.0386 (0.141)	-0.000766 (0.00161)	-0.00444* (0.00197)	-0.00103 (0.00290)
Dependent Variable Mean	1570.5	1683.1	25.88	11.35	182.4
Observations	10884	10884	10884	10884	10884
R-squared	0.864	0.858	0.549	0.661	0.761

11 Table a3

	Dependent Variable is				
	Quality Adjusted Output (per day)	Total Number of Entries (per day)	Active Typing Time (min/day)	Mistakes (per 100 entries)	Performance Earnings (per day)
	(1)	(2)	(3)	(4)	(5)
Temperature ($^{\circ}C$)	-216.7*** (29.82)	-227.1*** (30.95)	-3.156*** (0.370)	-1.080*** (0.309)	-0.192*** (0.0546)
Dependent Variable Mean	13520.4	14486.3	222.7	97.48	182.4
Observations	10884	10884	10884	10884	10884
R-squared	0.796	0.785	0.460	0.633	0.761

12 Table a4

	Dependent Variable is				
	Quality Adjusted Output (per hr)	Total Number of Entries (per hr)	Active Typing Time (min/hr)	Mistakes (per 100 entries)	Performance Earnings (per hr)
	(1)	(2)	(3)	(4)	(5)
Temperature ($^{\circ}C$)	-5.934* (2.543)	-6.070* (2.624)	-0.0956** (0.0326)	-0.0225 (0.0324)	-0.0908 (0.0478)
Dependent Variable Mean	1586.7	1700.0	26.13	11.44	21.41
Observations	92744	92744	92744	92744	92744
R-squared	0.488	0.476	0.290	0.267	0.345

13 Table a5

	Dependent Variable is			
	Participant Present (=1)	Check-in Time	Check-out Time	Total Hours of Work
	(1)	(2)	(3)	(4)
Temperature ($^{\circ}C$)	0.00190 (0.00188)	-0.00283 (0.00350)	-0.00566 (0.00591)	-0.00283 (0.00690)
Dependent Variable Mean	0.893	10.59	18.33	7.740
Observations	12655	10884	10884	10884
R-squared	0.258	0.474	0.213	0.331

14 Table a6

	Dependent Variable:							
	Participant Present (=1)		Check-in Time		Check-out Time		Total Hours of Work	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Temperature ($^{\circ}C$)	-0.000297 (0.00201)		0.00373 (0.00387)		-0.00640 (0.00706)		-0.0101 (0.00806)	
Lag 1 of Temperature	0.00395 (0.00213)		-0.0116** (0.00401)		0.00131 (0.00649)		0.0129 (0.00769)	
High Temperature (=1)		0.0175 (0.0151)		-0.0180 (0.0298)		-0.0133 (0.0495)		0.00470 (0.0591)
Medium Temperature (=1)		0.00855 (0.0135)		-0.0125 (0.0258)		0.00427 (0.0404)		0.0168 (0.0489)
Low Temperature (=1)		-0.000467 (0.0107)		-0.00326 (0.0189)		-0.0656* (0.0283)		-0.0623 (0.0346)
Dependent Variable Mean	0.893	0.893	10.59	10.59	18.33	18.33	7.740	7.740
Observations	12655	12655	10884	10884	10884	10884	10884	10884
R-squared	0.259	0.258	0.474	0.474	0.213	0.214	0.331	0.331

15 Table a7

	Dependent Variable is			
	Cognition Index (1)	PVT (2)	Corsi (3)	Hearts and Flowers (4)
Temperature ($^{\circ}C$)	0.00134 (0.00450)	0.00488 (0.00497)	-0.00666 (0.00701)	0.00524 (0.00514)
Dependent Variable Mean	0.000000000	-0.000000003	-0.051094322	-0.000000000
Observations	9866	9675	5102	5142
R-squared	0.527	0.475	0.503	0.736

16 Table a11

	April-September (1)	October-March (2)	p-value, 1 = 2 (3)
Literate in English (=1)	0.799 (0.030)	0.781 (0.025)	0.645
Prior Computer Experience (=1)	0.247 (0.033)	0.306 (0.028)	0.179
Years of Education	9.983 (0.210)	10.309 (0.177)	0.241
Math Ability (=1)	0.632 (0.037)	0.615 (0.029)	0.716