

TABLE 4

**Top 50 commuting zones, by robust new-to-market innovation rates**

(Share of innovating firms)

Main CBSA or county names, state, commuting zone ID	Mean	Standard error of mean	Robust mean	Shift
Kokomo, Logansport, Peru, IN 176	0.1608	0.0139	0.1334	Yes
Fredericksburg, Kerrville, TX 561	0.1636	0.0234	0.1176	Yes
Santa Fe, Española, Los Alamos, Las Vegas, NM 400	0.1429	0.0143	0.1148	Yes
Wallowa, OR 487	0.2955	0.0939	0.1111	Yes
San Jose, Sunnyvale, Santa Cruz, Salinas, CA 70	0.1134	0.0061	0.1013	Yes
Flagstaff, AZ 33	0.1702	0.0361	0.0993	Yes
Fairbanks, AK 21	0.1186	0.0107	0.0977	Yes
Austin, Round Rock, TX 534	0.1157	0.0092	0.0977	Yes
Casper, WY 622	0.1261	0.0145	0.0976	Yes
Accomack, Northampton, VA 581	0.1805	0.0430	0.0961	No
San Francisco, Oakland, Napa, Santa Rosa, Vallejo, CA 58	0.1020	0.0037	0.0947	Yes
Las Vegas, Henderson, Paradise, Pahrump, NV 386	0.1055	0.0057	0.0943	Yes
Blacksburg, Christiansburg, Radford, VA 593	0.1443	0.0257	0.0937	No
Los Angeles, Long Beach, Anaheim, Riverside, San Bernardino, Ontario, Oxnard, Thousand Oaks, Ventura, CA 69	0.0984	0.0028	0.0928	No
Bozeman, Helena, MT 349	0.1217	0.0148	0.0926	Yes
Washington, Arlington, Alexandria, DC, VA, MD, WV 93	0.0976	0.0037	0.0903	Yes
Columbus, OH 451	0.1078	0.0096	0.0890	No
Glenwood Springs, Edwards, Breckenridge, CO 83	0.1093	0.0104	0.0890	Yes
Traverse City, MI 287	0.1229	0.0174	0.0889	No
Wilmington, Myrtle Beach, NC, SC 422	0.1106	0.0111	0.0888	Yes
Miami, Fort Lauderdale, West Palm Beach, FL 98	0.0942	0.0029	0.0885	No
Portland, Vancouver, Hillsboro, OR, WA 475	0.0959	0.0041	0.0878	No
Boston, Cambridge, Newton, MA, NH; Manchester, Nashua, NH; Concord, NH; Portland, South Portland, ME 281	0.1001	0.0064	0.0877	No
Asheville, Wilmington, Brevard, NC 423	0.1189	0.0159	0.0876	No
Denver, Aurora, Boulder, Fort Collins, CO 74	0.0958	0.0043	0.0873	No
Philadelphia, Camden, Wilmington, PA, NJ, DE, MD 92	0.0979	0.0056	0.0869	No
Virginia Beach, Norfolk, Newport News, VA, NC; Kill Devil Hills, NC 419	0.1313	0.0226	0.0868	No
Pueblo, Colorado Springs, CO 80	0.1033	0.0088	0.0860	No
Grand Rapids, Wyoming, Holland, Ionia, MI 285	0.1029	0.0088	0.0856	No
Dallas, Fort Worth, Arlington, Corsicana, TX 564	0.0952	0.0049	0.0855	No
Urban Honolulu, Hilo, Kahului, Wailuku, Lahaina, Kapaa, HI 135	0.1014	0.0082	0.0853	No
Minneapolis, St. Paul, Bloomington, MN, WI 301	0.0937	0.0044	0.0851	No
San Diego, Carlsbad, El Centro, CA 64	0.0952	0.0053	0.0848	No
Durham, Chapel Hill, Raleigh, Henderson, NC 427	0.1006	0.0083	0.0842	No
St. George, Cedar City, UT 571	0.1202	0.0183	0.0842	Yes
Atlanta, Sandy Springs, Roswell, GA 115	0.0911	0.0035	0.0842	No
Santa Maria, Santa Barbara, San Luis Obispo, Paso Robles, Arroyo Grande, CA 73	0.1130	0.0150	0.0836	No
Seattle, Tacoma, Bellevue, Bremerton, Silverdale, Olympia, Tumwater, Bellingham, WA 602	0.0912	0.0039	0.0835	No
Salt Lake City, Provo, Orem, Ogden, Clearfield, UT 574	0.0976	0.0072	0.0835	No
Wenatchee, WA 600	0.1133	0.0158	0.0823	No
Charlotte, Concord, Gastonia, Shelby, Albemarle, NC, SC 424	0.0898	0.0038	0.0822	No
Tucson, Sierra Vista, Douglas, Nogales, AZ 32	0.0993	0.0090	0.0816	No
Charlottesville, VA 582	0.1063	0.0126	0.0814	No
Anchorage, AK 18	0.1095	0.0145	0.0811	No
Laredo, Zapata, TX 560	0.1325	0.0262	0.0809	No
Deltona, Daytona Beach, Ormond Beach, Palatka, FL 105	0.1006	0.0100	0.0809	No
Des Moines, West Des Moines, IA 189	0.1008	0.0102	0.0808	No
New York, Newark, Jersey City, Kingston, NY, NJ, PA 411	0.0860	0.0030	0.0800	No

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(Share of innovating firms)

Main CBSA or county names, state, commuting zone ID	Mean	Standard error of mean	Robust mean	Shift
Detroit, Warren, Dearborn, Ann Arbor, Jackson, Adrian, MI 296	0.0879	0.0040	0.0800	No
Medford, Grants Pass, OR 483	0.1096	0.0151	0.0799	No
Trenton, NJ; Allentown, Bethlehem, Easton, PA, NJ (includes parts of New York, Newark, Jersey City, NY, NJ, PA) 391	0.0871	0.0037	0.0799	No

CBSA = core-based statistical area.

**Note(s):**

"Yes" for regional shift indicates that the observed new-to-market innovation rate is statistically larger than the predicted new-to-market innovation rate at the 0.05 level. These estimates are derived from companies with only a single location and may differ from the published innovation counts and estimates based on single- and multi-unit firms (Kindlon 2021). Limiting analysis to single-unit firms eliminates the potential headquarters' bias resulting from attributing innovation to the reporting location of multi-unit firms and reduces potential measurement error resulting from attributing company reports of innovation to all branch locations. The statistics allow inferences regarding the population of single-unit firms but do not allow inferences regarding the population of all firms.

**Source(s):**

National Center for Science and Engineering Statistics and U.S. Census Bureau, 2018 Annual Business Survey: Data Year 2017.