

TABLE 5

**Commuting zones with higher innovation rates than predicted**

(Share of innovating firms)

| Main CBSA or county names, state, commuting zone ID      | Number | Any product innovation |           |       | New-to-market innovation |           |       |
|--|--------|------------------------|-----------|-------|--------------------------|-----------|-------|
|  |        | Observed               | Predicted | Shift | Observed                 | Predicted | Shift |
| Flagstaff, AZ 33   | 280    | 0.2723                 | 0.1844    | +     | 0.1702                   | 0.0811    | +     |
| San Francisco, Oakland, Napa, Santa Rosa, Vallejo, CA 58 | 7,500  | 0.2226                 | 0.2051    | +     | 0.1020                   | 0.0934    | +     |
| San Jose, Sunnyvale, Santa Cruz, Salinas, CA 70          | 3,200  | 0.2365                 | 0.2074    | +     | 0.1134                   | 0.0948    | +     |
| Denver, Aurora, Boulder, Fort Collins, CO 74             | 8,300  | 0.2231                 | 0.1989    | +     | 0.0958                   | 0.0884    |       |
| Glenwood Springs, Edwards, Breckenridge, CO 83           | 680    | 0.2155                 | 0.1786    |       | 0.1093                   | 0.0774    | +     |
| Washington, Arlington, Alexandria, DC, VA, MD, WV 93     | 8,600  | 0.2182                 | 0.1985    | +     | 0.0976                   | 0.0864    | +     |
| Orlando, Kissimmee, Sanford, FL 101                      | 3,700  | 0.2156                 | 0.1946    | +     | 0.0907                   | 0.0855    |       |
| Jackson, WY, ID 147                                      | 440    | 0.2738                 | 0.1773    | +     | 0.1354                   | 0.0770    |       |
| Kankakee, IL 165   | 150    | 0.2661                 | 0.1968    | +     | 0.1198                   | 0.0920    |       |
| Kokomo, Logansport, Peru, IN 176                         | 170    | 0.2472                 | 0.1912    |       | 0.1608                   | 0.0891    | +     |
| Bozeman, Helena, MT 349                                  | 950    | 0.2621                 | 0.1893    | +     | 0.1217                   | 0.0837    | +     |
| Las Vegas, Henderson, Paradise, Pahrump, NV 386          | 3,600  | 0.2205                 | 0.1991    |       | 0.1055                   | 0.0880    | +     |
| Elko, Winnemucca, NV 387                                 | 230    | 0.2501                 | 0.1850    | +     | 0.1178                   | 0.0822    |       |
| Santa Fe, Española, Los Alamos, Las Vegas, NM 400        | 560    | 0.2686                 | 0.2005    | +     | 0.1429                   | 0.0901    | +     |
| Wilmington, Myrtle Beach, NC, SC 422                     | 650    | 0.2264                 | 0.1897    |       | 0.1106                   | 0.0838    | +     |
| Durham, Chapel Hill, Raleigh, Henderson, NC 427          | 3,200  | 0.2227                 | 0.1968    | +     | 0.1006                   | 0.0874    |       |
| Portland, Vancouver, Hillsboro, OR, WA 475               | 5,300  | 0.2240                 | 0.1986    | +     | 0.0959                   | 0.0900    |       |
| Medford, Grants Pass, OR 483                             | 600    | 0.2646                 | 0.1901    | +     | 0.1096                   | 0.0857    |       |
| Wallowa, OR 487  | 30     | 0.3575                 | 0.1816    |       | 0.2955                   | 0.0817    | +     |
| Cookeville, TN 521                                       | 180    | 0.2793                 | 0.1982    | +     | 0.1142                   | 0.0907    |       |
| Austin, Round Rock, TX 534                               | 2,400  | 0.2474                 | 0.2033    | +     | 0.1157                   | 0.0909    | +     |
| Fredericksburg, Kerrville, TX 561                        | 140    | 0.2708                 | 0.1854    | +     | 0.1636                   | 0.0818    | +     |
| St. George, Cedar City, UT 571                           | 490    | 0.2007                 | 0.1817    |       | 0.1202                   | 0.0792    | +     |
| Casper, WY 622   | 380    | 0.2265                 | 0.1827    |       | 0.1261                   | 0.0808    | +     |

CBSA = core-based statistical area.

**Note(s):**

+ indicates that observed is statistically larger than predicted 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. The numbers of observations are rounded.

**Source(s):**

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