# THUMBTACK.COM SMALL BUSINESS SURVEY: METHODOLOGY \& ANALYSIS Conducted in partnership with the Kauffman Foundation 

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## I. INTRODUCTION

Small businesses have been described as the engine driving America's economy, and with good reason. Small businesses accounted for $65 \%$ of net new jobs created between 1993 and 2009 and employ nearly half of all private sector employees. ${ }^{1}$ A recently released Kauffman Foundation report noted that the Great Recession has had the effect of "pushing many individuals into business ownership because of high rates of unemployment." ${ }^{2}$ Despite this, the share of GDP produced by small businesses has steadily declined over the past decade. ${ }^{3}$ There has never been a more important time to determine what matters most to small businesses.

The Thumbtack.com Small Business Survey, conducted in partnership with the Kauffman Foundation, is designed to provide the media, researchers, policy makers, and the public at large with a better understanding of what small businesses value. This information can be used by would-be entrepreneurs to decide where to start their companies and by governments to determine where they excel and where they can improve.

## II. OVERVIEW OF SURVEY

There are many business climate indexes that are designed to determine a particular city or state's appeal to businesses. The Thumbtack.com Small Business Survey differs from virtually all other such indexes in a number of ways.

First, business climate indexes are frequently produced by organizations promoting a particular policy or agenda, and they often reach very divergent conclusions. ${ }^{4}$ For example, the Tax Foundation's Business Tax Climate Index has a clear agenda aligned with that organization's interests which are clearly stated on its website. ${ }^{5}$ Indeed, one academic has noted that the Tax Foundation index is aimed solely at penalizing states with what it

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deems to be "higher" taxes, though the actual tax burdens are not clear. ${ }^{6}$ In contrast to these types of rankings, we have no prior agenda in developing the rankings. We only care about creating rankings that properly reflect the feelings of small business owners.

Second, most extant rankings use widely available statistics (e.g., unemployment levels and tax rates) to determine the rank ordering. For example, the methodology for Forbes' "Best States for Business" ranking includes no survey responses. Rather, that ranking uses 37 components within what it terms "six vital categories for businesses: costs, labor supply, regulatory environment, current economic climate, growth prospects, and quality of life."

Instead of attempting to find proxies for state friendliness towards business (e.g., unemployment levels and tax rates), we have asked the source directly - the data used in Thumbtack.com's Small Business Survey comes from real small business owners themselves. By reaching out directly to some of the 250,000+ small business owners and managers who list their services on Thumbtack.com and having them rate their state and city across a number of categories, we are able to capture nuances that are difficult or impossible to measure through other data sources. For example, a ranking of state tax burdens on businesses must account for all the different ways in which a small business is taxed. In contrast, by asking the small businesses themselves, all relevant taxes are accounted for, while irrelevant ones are excluded. We believe that the source of our data gives our rankings a significant advantage when compared with other indices.

Finally, a related strength of our data is that it derives from a segment of the business community that is often ignored in other rankings. This is because most other authors of indices like ours simply do not have access to a large number of small businesses that operate in the real world every day. As a result, the interests and values of these otherwise ignored business owners can be made known in a manner not possible in other rankings.

## III. SURVEY QUESTIONNAIRE \& DATA COLLECTION

Our data was collected over a period of two months. ${ }^{7}$ We provided a link on the login page of our website asking our small business users to take the survey. The survey can be found here, and also appears in Appendix A of this paper.

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We collected three types of raw data from over 7,000 respondents, 6,022 of whom completed the survey:

1. Responses to survey questions regarding state friendliness towards small business.

- These are responses to questions on pages 2 and 3 of the survey, and cover topics including the state's overall friendliness towards small businesses, regulations, and the availability networking/training programs.
- This includes a 'free form' question (page 3 of the survey) in which respondents were given the opportunity to provide additional information on doing business in their state. About $50 \%$ of respondents answered this question.

2. Responses to survey questions regarding economic health of small business.

- These are responses to questions on page 4 of the survey.

3. Demographic information connected to each respondent.

- This information comes from two sources:
i. Pages 1 and 5 of our survey. This includes age of business, number of employees at business, respondent's gender, respondent's age, respondent's political preference, and respondent's highest level of education.
ii. Thumbtack's internal database. The respondents to this survey are Thumbtack users, and many of these users have given us information about themselves separate from that given in the survey. This includes location (zip, county, and state of business; also includes the major city in which respondent resides if he/she resides in a major city), profession, and hourly rate charged by respondent.


## IV. ANALYSIS \& DISCUSSION

The survey responses were converted to numerical scores, and an average for each state and city was computed. Grades of A+ through F were assigned evenly on the basis of a state or city's rank within a particular category. The ranked categories include:

1. Overall small business friendliness
2. Ease of starting a small business
3. Cost of hiring a new employee
4. Overall regulatory friendliness
5. Friendliness of health and safety regulations
6. Friendliness of employment, labor, and hiring regulations
7. Friendliness of tax code
8. Friendliness of licensing regulations

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9. Friendliness of environmental regulations
10. Friendliness of zoning regulations
11. Publicity of training programs
12. Publicity of networking programs

Responses to survey questions pertaining to economic health were also ranked, though no grade was assigned:
13. Current economic health of small business
14. Change in revenue over past 12 months
15. Forecast of small business's future economic health

The survey response level by state roughly parallels the population of that state as a percentage of the United States' total population. ${ }^{8}$ Each response is mapped to a state (and almost all are also mapped to individual counties), and over three thousand are also coded to one of the 40 cities we ranked. Although we received responses from all states, we excluded those states that did not have at least ten respondents providing an overall business friendliness ranking. This threshold eliminated Alaska, North Dakota, South Dakota, West Virginia, and Wyoming from the rankings. In addition to state and cities, ${ }^{9}$ several other groupings were constructed. Individual states were divided into state regions (provided they had sufficient data) and each state was assigned to a national region, with rankings performed in each instance. ${ }^{10}$

Many study rankings distill all of the evaluated factors into one final number. While having the advantage of providing a simple and easily comparable result, we felt that this is an oversimplification and fails to provide the level of detail that is needed by small businesses and those studying them. Acknowledging that different factors are important to different businesses, we provide rankings and grades for each category. Although we do assign a ranking and grade for "Overall Business Friendliness," it is based on its own questions, ${ }^{11}$ and not a combination of the other questions in the survey. The full results for grades and rankings can be found in Appendix B.

[^2]- In general, how would you rate your state's support of small business owners?
- Would you discourage or encourage someone from starting a new business in your state?
- How difficult or easy do you think it is to start a business in your state?


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Of the respondents who finished the survey, there were some that omitted answers to some questions. As with any survey analysis, there are two competing factors when deciding how to handle these missing responses. On one hand, more data is better than less. However, we are also sensitive to potential issues of response bias that could potentially arise from using responses from respondents who did not answer every question. To determine whether this was an issue, we compared the rankings created using all of the data with the rankings created using the 3,376 respondents that answered every question, and found that there was little change, though some of the states whose total number of responses dropped towards the threshold response level were more affected, as would be expected. We did further analysis on the non-responses without observing a systemic pattern or correlation, leading us to believe that the inclusion of the maximum data points would allow for the most accurate and meaningful analysis. ${ }^{12}$

Although we did not assign weights to the different questions, we did perform linear regressions on the entire data set (as well as several subsets of the data) in an attempt to find meaningful trends. Using each respondent's "Overall Small Business Friendliness Score" as the dependent variable, ${ }^{13}$ we tested the predictive power of the other questions by using various combinations as the predictive/independent variables. ${ }^{14}$

The best predictor of small business friendliness was whether the respondent was aware of the state or local government offering training programs for small businesses. ${ }^{15}$ Interestingly, while those aware of training programs gave overall small business friendliness scores approximately $10 \%$ higher than those who were not, respondents who had actually attended one of the trainings rated their states less than one-percent higher than those who were aware of the trainings but had never attended. This may indicate that although offering (and publicizing) training programs makes a meaningful difference in how small businesses view the government, the training itself could stand to be improved. However, more detailed research would need to be done in this area to draw definitive conclusions.

Other top predictors of small business friendliness were the respondent's forecast of his/her company's financial performance over the coming 12 months and his/her

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assessment of the small business' current financial state. Although taxes are a dominant topic in many discussions of a location's attractiveness to business, ${ }^{16}$ our analysis indicates that small businesses tend to care more deeply about the friendliness of a region's licensing regime by a factor of nearly two. ${ }^{17}$ Similarly, being subject to special regulatory requirements had a negative effect on overall small business friendliness, and among those small businesses subject to special regulations, the ease of complying with these requirements was by far the most important factor. ${ }^{18}$

A regression analysis of the data for a low-ranking and a high-ranking stateCalifornia and Texas, respectively-reveals both commonalities and striking differences. ${ }^{19}$ Both of the states had similar numbers that matched the national coefficients for the importance of current and predicted financial situations. Additionally, licensing requirements were top predictors of overall scores. In contrast, the tax code was more important to Texas small businesses than the cost of hiring new employees while the opposite was true in California. In future iterations of this study, we intend to obtain the sample sizes that will allow us to perform similarly detailed regression analysis on all states.

In addition to the analyses performed by geographic location, we evaluated select categories by gender and political orientation. ${ }^{20}$ Nationally, women small business owners were nearly $9 \%$ more likely to rate their state as being supportive and almost $10 \%$ more likely to consider starting a business as easy in their state as compared to their male counterparts. However, male-led small businesses were over 7\% more likely to view their business' current situation as good or very good. ${ }^{21}$

Similar differences were calculated between those identifying themselves as Conservative, Liberal, and Independent/Other. Nationally, there was little difference across the political spectrum in terms of how respondents rated states' friendliness towards small business. Within states, however, there were substantial differences. Within California, for instance, conservatives were 30\% less likely than liberals to view the state as supportive of small business, while independents were $15 \%$ less likely than liberals. ${ }^{22}$

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For more information on any of our findings or to learn more about Thumbtack, please contact us at sander.daniels@thumbtack.com or nathan.allen@thumbtack.com.

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## Appendix A: Thumbtack State Competitiveness Survey

Thanks for participating in the inaugural Thumbtack State Competitiveness Survey! This survey should take 5-8 minutes to complete.
This survey was developed in partnership between Thumbtack and the Kauffman Foundation and seeks to provide insight into the friendliness of state and local governments towards small businesses.
The results of this survey will be used by Thumbtack and the Kauffman Foundation to provide policymakers and researchers with valuable information on how small businesses feel about their state and local governments.
Individual responses to the survey will not be released outside of Thumbtack and the Kauffman Foundation, and all publicly released analysis of the survey's results will reflect only aggregate results.

Thanks again.

1. In which state do you primarily operate your business?
[DROP-DOWN LIST OF STATES]
2. In how many states does your business operate?


6 or more
3. Are $90 \%$ or more of your sales made to customers located within 50 miles of your company's primary location?

Yes
No
4. In general, how would you rate your state's support of small business owners?

Very supportive
Somewhat supportive
Neither supportive nor unsupportive
Somewhat unsupportive
Very unsupportive
5. Would you discourage or encourage someone from starting a new business in your state?

O
Highly encourage
Somewhat encourage
Neither encourage nor discourage

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## Somewhat discourage

$\bigcirc$
Highly discourage
6. How difficult or easy do you think it is to start a business in your state?Very easy
Somewhat easy
Neither easy nor difficult
Somewhat difficult
Very difficult
7. Do you offer health insurance to your employees through your business?


Yes
No
8. How unfriendly or friendly is your state or local government with regard to the following types of regulations:

|  | Very friendly | Somewhat friendly | Neither friendly nor unfriendly | Somewhat unfriendly | Very unfriendly | Does not apply to my business |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Health and safety regulations | $1$ | $2$ | $3$ | 4 | 5 | 6 |
| Employment, labor and hiring regulations | 1 | $2$ | $3$ | $4$ | $5$ | $6$ |
| Tax code and taxrelated regulations | $\bigcirc_{1}$ | 2 | $3$ | $4$ | $5$ | 6 |
| Licensing forms, requirements and fees | 1 | 2 | $3$ | 4 | 5 | 6 |
| Environmental regulations | $1$ | $2$ | $3$ | $4$ | $5$ | 6 |
| Zoning or land use regulations | 1 | 2 | 3 | 4 | 5 | 6 |

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9. Does your state impose any special regulatory requirements on your profession?

$\bigcirc$
Yes
No
10. Are you aware of your state or local government offering training programs for small business owners?

Yes
○
11. Are you aware of your state or local government offering networking programs for small business owners?Yes
$\bigcirc$
No
12. Please let us know any experiences or thoughts you have regarding the ease of doing business in your state.
[BOX FOR COMMENTS]
13. Would you be willing to be quoted in the press about your views on small business in your state?
[YES/NO DROPDOWN MENU]
14. How would you rate your company's financial situation today?

Very goodSomewhat goodNeither good nor badSomewhat bad
Very bad
15. Over the past 12 months, did your company's revenues:Increase a lotIncrease a littleStay the sameDecrease a littleDecrease a lot
16. How has the rate you charge your customers or clients changed over the last 12 months?
$\bigcirc$ Increased a lot
Increased a little
Stayed the same
Decreased a little

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Decreased a lot
17. How do you think your company's financial situation will be 12 months from now?

Substantially better
A little better
The same as today
A little worse
$\bigcirc$
Substantially worse
18. How would you rate the situation of the national economy over the past 12 months?

Very good
Somewhat good
Neither good nor bad
Somewhat bad
Very bad
19. How would you rate the situation of your state economy in comparison to the national economy?
Substantially better
A little better
The same
A little worse
Substantially worse
20. How long has your business been operating?

Less than 1 year
1-2 years
3-4 years
5 or more years
21. How many people does your business employ?

22. How much does it cost to hire a new employee in addition to their salary?

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$10 \%$ or less of total salary$11-20 \%$ of total salary21-30\% of total salary
$31-40 \%$ of total salary41-50\% of total salary51-60\% of total salary

O
61-70\% of total salary
71-80\% of total salary
81-90\% of total salary
91-100\% of total salary
More than $100 \%$ of total salary
23. Which best describes your position in your business?Owner and manager
Owner but not manager
Manager but not owner
Non-manager employee
24. Have you ever been an entrepreneur prior to your current company?
Yes
No
25. What is your gender?


Female
$\bigcirc$
Male
26. What is your age?

Under 25
25-34
35-44
45-54
55-64
65 or above
27. What is your political preference?

Strong conservative
Lean conservative
Independent

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O
Lean liberal/progressive
Strong liberal/progressive
Other
28. What is the highest level of education you have reached?

O
No high schoolHigh school
Community college
Technical college
Undergraduate degree
Masters degree
Doctoral degree

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Appendix B
Table 1: State Ranks \& Grades

| State | $\begin{aligned} & \text { Rank } \\ & 1 \end{aligned}$ | Grade $1$ | $\begin{aligned} & \text { Rank } \\ & 2 \\ & \hline \end{aligned}$ | Grade 2 | $\begin{aligned} & \text { Rank } \\ & 3 \end{aligned}$ | Grade 3 | Rank $4$ | Grade $4$ | Rank $5$ | Grade 5 | $\begin{aligned} & \text { Rank } \\ & 6 \end{aligned}$ | Grade $6$ | Rank $7$ | Grade 7 | $\begin{aligned} & \text { Rank } \\ & 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Grade } \\ & 8 \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alabama | 10 | A- | 16 | B+ | 24 | C+ | 5 | A | 5 | A | 12 | B+ | 5 | A | 4 | A+ |
| Arizona | 27 | C | 22 | B- | 22 | B- | 23 | C+ | 19 | B- | 17 | B | 22 | C+ | 29 | C |
| Arkansas | 12 | A- | 2 | A+ | 31 | C- | 16 | B | 20 | B- | 26 | C | 23 | C+ | 6 | A |
| California | 42 | F | 40 | D | 32 | C- | 42 | F | 42 | F | 43 | F | 44 | F | 42 | F |
| Colorado | 13 | B+ | 13 | B+ | 14 | B+ | 14 | B+ | 16 | B | 14 | B+ | 13 | B+ | 16 | B+ |
| Connecticut | 39 | D | 30 | C | 30 | C | 34 | D+ | 24 | C+ | 36 | D+ | 39 | D | 36 | D+ |
| Delaware | 30 | C | 35 | D+ | 11 | A- | 17 | B | 33 | C- | 9 | A- | 3 | A+ | 10 | A- |
| Florida | 29 | C | 29 | C | 29 | C | 19 | B- | 22 | C+ | 20 | B- | 15 | B+ | 25 | C+ |
| Georgia | 6 | A | 7 | A | 19 | B | 15 | B+ | 15 | B+ | 11 | A- | 17 | B | 17 | B |
| Hawaii | 43 | F | 43 | F | 44 | F | 44 | F | 43 | F | 40 | D | 38 | D | 41 | D |
| Idaho | 1 | A+ | 1 | A+ | 40 | D | 1 | A+ | 1 | A+ | 1 | A+ | 1 | A+ | 1 | A+ |
| Illinois | 37 | D+ | 28 | C | 17 | B | 33 | C- | 32 | C- | 29 | C | 35 | D+ | 40 | D |
| Indiana | 14 | B+ | 15 | B+ | 5 | A | 11 | A- | 10 | A- | 3 | A+ | 14 | B+ | 13 | B+ |
| Iowa | 23 | C+ | 31 | C- | 9 | A- | 2 | A+ | 2 | A+ | 2 | A+ | 12 | B+ | 2 | A+ |
| Kansas | 11 | A- | 9 | A- | 37 | D+ | 24 | C+ | 36 | D+ | 28 | C | 19 | B- | 23 | C+ |
| Kentucky | 20 | B- | 23 | C+ | 33 | C- | 29 | C | 36 | D+ | 18 | B | 32 | C- | 32 | C- |
| Louisiana | 5 | A | 8 | A | 39 | D | 3 | A+ | 8 | A- | 7 | A | 10 | A- | 3 | A+ |
| Maine | 35 | D+ | 39 | D | 45 | F | 40 | D | 40 | D | 41 | D | 36 | D+ | 38 | D |
| Maryland | 31 | C- | 25 | C+ | 21 | B- | 32 | C- | 29 | C | 30 | C- | 26 | C | 37 | D+ |
| Massachusetts | 38 | D | 37 | D+ | 26 | C+ | 38 | D | 39 | D | 39 | D | 37 | D+ | 39 | D |
| Michigan | 40 | D | 38 | D+ | 34 | C- | 35 | D+ | 33 | C- | 34 | D+ | 33 | C- | 35 | D+ |
| Minnesota | 18 | B | 21 | B- | 18 | B | 22 | C+ | 21 | B- | 25 | C+ | 28 | C | 26 | C |
| Mississippi | 23 | C+ | 31 | C- | 3 | A+ | 13 | B+ | 17 | B | 19 | B- | 6 | A | 14 | B+ |
| Missouri | 22 | B- | 18 | B | 23 | C+ | 25 | C+ | 31 | C- | 24 | C+ | 20 | B- | 22 | C+ |
| Montana | 17 | B | 31 | C- | 38 | D+ | 39 | D | 44 | F | 45 | F | 31 | C- | 27 | C |
| Nebraska | 9 | A- | 14 | B+ | 4 | A+ | 21 | B- | 35 | D+ | 21 | B- | 21 | B- | 19 | B |
| Nevada | 15 | B+ | 19 | B | 35 | D+ | 10 | A- | 12 | B+ | 13 | B+ | 2 | A+ | 18 | B |
| New Hampshire | 8 | A | 5 | A | 41 | D | 18 | B | 26 | C | 15 | B+ | 9 | A- | 12 | A- |
| New Jersey | 36 | D+ | 34 | C- | 15 | B+ | 28 | C | 23 | C+ | 21 | B- | 24 | C+ | 31 | C- |
| New Mexico | 33 | C- | 41 | D | 42 | D | 37 | D+ | 14 | B+ | 44 | F | 45 | F | 43 | F |
| New York | 41 | D | 42 | D | 20 | B- | 43 | F | 41 | D | 42 | F | 42 | F | 45 | F |
| North Carolina | 26 | C+ | 27 | C | 10 | A- | 31 | C- | 27 | C | 38 | D | 34 | D+ | 33 | C- |
| Ohio | 34 | D+ | 36 | D+ | 25 | C+ | 26 | C | 30 | C- | 27 | C | 30 | C- | 28 | C |
| Oklahoma | 3 | A+ | 4 | A+ | 6 | A | 6 | A | 4 | A | 6 | A | 18 | B | 7 | A |
| Oregon | 19 | B | 10 | A- | 43 | F | 20 | B- | 18 | B | 31 | C- | 27 | C | 24 | C+ |
| Pennsylvania | 28 | C | 26 | C+ | 28 | C | 27 | C | 25 | C+ | 32 | C- | 25 | C+ | 30 | C- |
| Rhode Island | 45 | F | 45 | F | 1 | A+ | 45 | F | 44 | F | 35 | D+ | 43 | F | 44 | F |
| South Carolina | 16 | B+ | 11 | A- | 2 | A+ | 7 | A | 3 | A+ | 5 | A | 16 | B | 15 | B+ |
| Tennessee | 21 | B- | 17 | B | 6 | A | 8 | A- | 13 | B+ | 8 | A- | 7 | A | 9 | A- |
| Texas | 2 | A+ | 6 | A | 13 | B+ | 4 | A | 9 | A- | 4 | A | 4 | A | 8 | A |
| Utah | 4 | A+ | 3 | A+ | 12 | A- | 9 | A- | 6 | A | 16 | B | 8 | A- | 5 | A |
| Vermont | 44 | F | 43 | F | 16 | B+ | 41 | D | 7 | A | 21 | B- | 41 | D | 21 | B- |
| Virginia | 7 | A | 11 | A- | 8 | A | 12 | B+ | 11 | A- | 9 | A- | 11 | A- | 11 | A- |
| Washington | 32 | C- | 20 | B- | 36 | D+ | 36 | D+ | 28 | C | 37 | D+ | 40 | D | 34 | D+ |
| Wisconsin | 25 | C+ | 24 | C+ | 27 | C | 30 | C- | 38 | D | 33 | C- | 29 | C | 20 | B- |

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Table 1 (cont.)

| State | $\begin{aligned} & \text { Rank } \\ & 9 \end{aligned}$ | Grade $9$ | $\begin{aligned} & \text { Rank } \\ & 10 \end{aligned}$ | $\begin{aligned} & \text { Grade } \\ & 10 \end{aligned}$ | $\begin{aligned} & \text { Rank } \\ & 11 \end{aligned}$ | Grade $11$ | $\begin{aligned} & \text { Rank } \\ & 12 \end{aligned}$ | Grade $12$ | $\begin{aligned} & \text { Rank } \\ & 13 \end{aligned}$ | $\begin{aligned} & \text { Rank } \\ & 14 \end{aligned}$ | $\begin{aligned} & \text { Rank } \\ & 15 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alabama | 11 | A- | 6 | A | 6 | A | 6 | A | 23 | 5 | 10 |
| Arizona | 22 | C+ | 27 | C | 39 | D | 14 | B+ | 22 | 20 | 26 |
| Arkansas | 15 | B+ | 13 | B+ | 7 | A | 45 | F | 2 | 2 | 2 |
| California | 40 | D | 38 | D | 30 | C- | 34 | D+ | 40 | 40 | 35 |
| Colorado | 19 | B- | 20 | B- | 35 | D+ | 28 | C | 33 | 33 | 9 |
| Connecticut | 38 | D | 23 | C+ | 31 | C- | 41 | D | 45 | 44 | 37 |
| Delaware | 36 | D+ | 38 | D | 44 | F | 40 | D | 21 | 21 | 32 |
| Florida | 23 | C+ | 24 | C+ | 29 | C | 23 | C+ | 34 | 35 | 23 |
| Georgia | 21 | B- | 18 | B | 13 | B+ | 8 | A | 31 | 39 | 8 |
| Hawaii | 43 | F | 44 | F | 41 | D | 21 | B- | 20 | 45 | 19 |
| Idaho | 2 | A+ | 2 | A+ | 2 | A+ | 3 | A+ | 9 | 28 | 7 |
| Illinois | 27 | C | 22 | C+ | 34 | D+ | 20 | B- | 36 | 23 | 28 |
| Indiana | 12 | B+ | 12 | B+ | 28 | C | 39 | D | 29 | 13 | 14 |
| Iowa | 1 | A+ | 3 | A+ | 1 | A+ | 30 | C- | 4 | 3 | 45 |
| Kansas | 41 | D | 11 | A- | 18 | B | 5 | A | 16 | 8 | 34 |
| Kentucky | 28 | C | 32 | C- | 42 | F | 35 | D+ | 6 | 31 | 18 |
| Louisiana | 4 | A | 1 | A+ | 5 | A | 4 | A+ | 5 | 14 | 16 |
| Maine | 42 | F | 30 | C- | 12 | B+ | 44 | F | 44 | 11 | 19 |
| Maryland | 31 | C- | 33 | C- | 15 | B+ | 22 | C+ | 18 | 18 | 15 |
| Massachusetts | 35 | D+ | 37 | D+ | 26 | C | 10 | A- | 24 | 10 | 37 |
| Michigan | 34 | D+ | 34 | D+ | 22 | C+ | 19 | B- | 28 | 15 | 25 |
| Minnesota | 18 | B | 17 | B | 21 | B- | 32 | C- | 12 | 4 | 24 |
| Mississippi | 15 | B+ | 14 | B+ | 45 | F | 43 | F | 25 | 36 | 36 |
| Missouri | 32 | C- | 31 | C- | 32 | C- | 33 | C- | 37 | 38 | 13 |
| Montana | 14 | B+ | 38 | D | 43 | F | 1 | A+ | 3 | 30 | 4 |
| Nebraska | 30 | C- | 14 | B+ | 17 | B | 42 | F | 1 | 1 | 1 |
| Nevada | 6 | A | 9 | A- | 36 | D+ | 7 | A | 43 | 42 | 11 |
| New Hampshire | 20 | B- | 28 | C | 33 | C- | 18 | B | 15 | 32 | 44 |
| New Jersey | 37 | D+ | 41 | D | 14 | B+ | 29 | C | 38 | 43 | 43 |
| New Mexico | 15 | B+ | 26 | C | 19 | B- | 11 | A- | 32 | 6 | 5 |
| New York | 39 | D | 42 | F | 20 | B- | 31 | C- | 35 | 37 | 29 |
| North Carolina | 25 | C+ | 25 | C+ | 38 | D | 25 | C+ | 27 | 25 | 22 |
| Ohio | 24 | C+ | 19 | B- | 37 | D+ | 38 | D | 41 | 24 | 40 |
| Oklahoma | 5 | A | 4 | A | 11 | A- | 12 | B+ | 10 | 17 | 6 |
| Oregon | 13 | B+ | 21 | B- | 16 | B | 16 | B | 19 | 12 | 27 |
| Pennsylvania | 29 | C | 29 | C | 40 | D | 26 | C | 26 | 34 | 39 |
| Rhode Island | 44 | F | 43 | F | 4 | A+ | 2 | A+ | 11 | 27 | 42 |
| South Carolina | 3 | A+ | 10 | A- | 25 | C+ | 24 | C+ | 7 | 19 | 31 |
| Tennessee | 8 | A- | 7 | A | 10 | A- | 13 | B+ | 17 | 16 | 30 |
| Texas | 9 | A- | 5 | A | 24 | C+ | 27 | C | 13 | 29 | 17 |
| Utah | 7 | A | 8 | A- | 23 | C+ | 15 | B+ | 8 | 7 | 3 |
| Vermont | 45 | F | 45 | F | 3 | A+ | 17 | B | 30 | 9 | 33 |
| Virginia | 10 | A- | 16 | B | 9 | A- | 9 | A- | 39 | 26 | 12 |
| Washington | 33 | C- | 35 | D+ | 8 | A- | 36 | D+ | 42 | 41 | 21 |
| Wisconsin | 26 | C | 36 | D+ | 27 | C | 37 | D+ | 14 | 22 | 41 |

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Table 2: City Ranks \& Grades

| City | Rank 1 | Grade <br> 1 | Rank $2$ | Grade <br> 2 | $\begin{aligned} & \text { Rank } \\ & 3 \end{aligned}$ | Grade <br> 3 | Rank $4$ | Grade <br> 4 | Rank $5$ | Grade 5 | Rank $6$ | Grade $6$ | $\begin{aligned} & \text { Rank } \\ & 7 \end{aligned}$ | Grade $7$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Albuquerque | 13 | B+ | 30 | D+ | 38 | F | 34 | D | 5 | A | 38 | F | 39 | F |
| Atlanta | 5 | A | 6 | A | 14 | B+ | 16 | B | 16 | B | 12 | B+ | 15 | B |
| Austin | 4 | A+ | 4 | A+ | 19 | B- | 5 | A | 4 | A+ | 2 | A+ | 3 | A+ |
| Baltimore | 34 | D | 28 | C- | 16 | B | 33 | D | 31 | D+ | 25 | C | 27 | C- |
| Boston | 35 | D | 34 | D | 27 | C- | 35 | D | 34 | D | 33 | D | 32 | D+ |
| Charlotte | 11 | A- | 16 | B | 2 | A+ | 21 | C+ | 14 | B+ | 32 | D+ | 29 | C- |
| Chicago | 33 | D | 26 | C | 17 | B | 31 | D+ | 30 | D+ | 24 | C | 31 | D+ |
| Cleveland | 26 | C | 30 | D+ | 24 | C | 27 | C- | 33 | D | 23 | C+ | 21 | C+ |
| Colorado Springs | 6 | A | 3 | A+ | 37 | F | 4 | A+ | 3 | A+ | 6 | A | 7 | A |
| Columbus | 23 | C+ | 25 | C | 18 | B- | 22 | C+ | 18 | B- | 11 | A- | 35 | D |
| Dallas-Fort Worth | 2 | A+ | 2 | A+ | 12 | B+ | 3 | A+ | 6 | A | 4 | A+ | 4 | A+ |
| Denver | 14 | B+ | 17 | B | 7 | A | 11 | A- | 19 | B- | 10 | A- | 12 | B+ |
| Detroit | 36 | D | 33 | D | 32 | D+ | 29 | C- | 36 | D | 19 | B- | 22 | C+ |
| Houston | 9 | A- | 19 | B- | 15 | B | 8 | A | 9 | A- | 8 | A | 8 | A |
| Indianapolis | 12 | B+ | 8 | A | 13 | B+ | 6 | A | 10 | A- | 5 | A | 9 | A- |
| Jacksonville | 27 | C- | 27 | C- | 9 | A- | 10 | A- | 22 | C+ | 9 | A- | 5 | A |
| Las Vegas | 10 | A- | 14 | B+ | 33 | D | 7 | A | 13 | B+ | 7 | A | 1 | A+ |
| Los Angeles | 38 | F | 36 | D | 28 | C- | 37 | F | 37 | F | 36 | D | 33 | D |
| Miami | 25 | C | 29 | C- | 23 | C+ | 13 | B+ | 17 | B | 14 | B+ | 13 | B+ |
| Milwaukee | 22 | C+ | 18 | B- | 5 | A | 23 | C+ | 28 | C- | 17 | B | 14 | B+ |
| Minneapolis | 15 | B | 13 | B+ | 8 | A | 20 | B- | 20 | B- | 21 | C+ | 25 | C |
| Nashville | 16 | B | 5 | A | 6 | A | 9 | A- | 11 | A- | 14 | B+ | 11 | A- |
| New York City | 30 | D+ | 37 | F | 20 | B- | 30 | D+ | 32 | D+ | 34 | D | 30 | D+ |
| Oklahoma City | 1 | A+ | 1 | A+ | 1 | A+ | 1 | A+ | 1 | A+ | 1 | A+ | 6 | A |
| Omaha | 7 | A | 20 | B- | 2 | A+ | 26 | C | 34 | D | 20 | B- | 26 | C |
| Orlando | 28 | C- | 23 | C+ | 22 | C+ | 28 | C- | 29 | C- | 28 | C- | 19 | B- |
| Philadelphia | 24 | C | 24 | C | 31 | D+ | 24 | C | 23 | C+ | 31 | D+ | 23 | C+ |
| Phoenix | 21 | C+ | 15 | B | 29 | C- | 18 | B- | 21 | C+ | 13 | B+ | 16 | B |
| Portland | 18 | B- | 7 | A | 40 | F | 19 | B- | 24 | C | 26 | C | 24 | C |
| Raleigh | 17 | B | 10 | A- | 26 | C | 17 | B | 25 | C | 29 | C- | 20 | B- |
| Sacramento | 40 | F | 39 | F | 30 | D+ | 39 | F | 39 | F | 39 | F | 40 | F |
| Salt Lake City | 7 | A | 11 | A- | 11 | A- | 15 | B | 7 | A | 27 | C- | 18 | B- |
| San Antonio | 3 | A+ | 12 | B+ | 21 | C+ | 14 | B+ | 12 | B+ | 18 | B- | 10 | A- |
| San Diego | 39 | F | 35 | D | 25 | C | 40 | F | 40 | F | 40 | F | 38 | F |
| San Francisco | 32 | D+ | 30 | D+ | 34 | D | 38 | F | 38 | F | 37 | F | 36 | D |
| San Jose | 20 | B- | 21 | C+ | 35 | D | 25 | C | 26 | C | 22 | C+ | 28 | C- |
| Seattle | 29 | C- | 22 | C+ | 36 | D | 32 | D+ | 27 | C- | 30 | D+ | 34 | D |
| Tucson | 37 | F | 40 | F | 4 | A+ | 36 | D | 15 | B | 35 | D | 37 | F |
| Virginia Beach | 19 | B- | 9 | A- | 10 | A- | 12 | B+ | 7 | A | 16 | B | 17 | B |
| Washington, DC | 31 | D+ | 38 | F | 39 | F | 2 | A+ | 1 | A+ | 3 | A+ | 2 | A+ |

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Table 2 (cont.)

| City | Rank $8$ | Grade $8$ | $\begin{aligned} & \text { Rank } \\ & 9 \end{aligned}$ | Grade $9$ | $\begin{aligned} & \text { Rank } \\ & 10 \end{aligned}$ | $\begin{aligned} & \text { Grade } \\ & 10 \end{aligned}$ | $\begin{aligned} & \text { Rank } \\ & 11 \end{aligned}$ | Grade $11$ | $\begin{aligned} & \text { Rank } \\ & 12 \end{aligned}$ | Grade $12$ | $\begin{aligned} & \text { Rank } \\ & 13 \end{aligned}$ | $\begin{aligned} & \text { Rank } \\ & 14 \end{aligned}$ | $\begin{aligned} & \text { Rank } \\ & 15 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Albuquerque | 40 | F | 17 | B | 31 | D+ | 12 | B+ | 8 | A | 6 | 3 | 2 |
| Atlanta | 14 | B+ | 25 | C | 19 | B- | 11 | A- | 3 | A+ | 26 | 30 | 5 |
| Austin | 6 | A | 8 | A | 4 | A+ | 8 | A | 22 | C+ | 11 | 27 | 28 |
| Baltimore | 32 | D+ | 36 | D | 38 | F | 25 | C | 23 | C+ | 9 | 15 | 25 |
| Boston | 33 | D | 33 | D | 36 | D | 27 | C- | 12 | B+ | 17 | 8 | 34 |
| Charlotte | 29 | C- | 9 | A- | 16 | B | 39 | F | 24 | C | 8 | 7 | 3 |
| Chicago | 34 | D | 27 | C- | 26 | C | 31 | D+ | 10 | A- | 24 | 18 | 22 |
| Cleveland | 26 | C | 29 | C- | 27 | C- | 37 | F | 37 | F | 37 | 16 | 39 |
| Colorado Springs | 10 | A- | 1 | A+ | 11 | A- | 20 | B- | 36 | D | 1 | 2 | 4 |
| Columbus | 23 | C+ | 16 | B | 28 | C- | 3 | A+ | 16 | B | 28 | 6 | 32 |
| Dallas-Fort Worth | 4 | A+ | 5 | A | 5 | A | 36 | D | 32 | D+ | 22 | 29 | 11 |
| Denver | 5 | A | 19 | B- | 23 | C+ | 35 | D | 27 | C- | 20 | 25 | 8 |
| Detroit | 31 | D+ | 24 | C | 34 | D | 12 | B+ | 19 | B- | 23 | 22 | 27 |
| Houston | 12 | B+ | 20 | B- | 3 | A+ | 7 | A | 6 | A | 19 | 26 | 17 |
| Indianapolis | 3 | A+ | 4 | A+ | 7 | A | 24 | C | 38 | F | 33 | 10 | 19 |
| Jacksonville | 9 | A- | 13 | B+ | 8 | A | 12 | B+ | 4 | A+ | 34 | 24 | 14 |
| Las Vegas | 13 | B+ | 6 | A | 6 | A | 30 | D+ | 1 | A+ | 36 | 36 | 7 |
| Los Angeles | 37 | F | 37 | F | 29 | C- | 28 | C- | 29 | C- | 38 | 37 | 30 |
| Miami | 11 | A- | 14 | B+ | 17 | B | 32 | D+ | 34 | D | 21 | 28 | 9 |
| Milwaukee | 18 | B- | 35 | D | 32 | D+ | 21 | C+ | 39 | F | 10 | 33 | 40 |
| Minneapolis | 21 | C+ | 15 | B | 14 | B+ | 22 | C+ | 30 | D+ | 7 | 4 | 24 |
| Nashville | 2 | A+ | 7 | A | 12 | B+ | 6 | A | 13 | B+ | 15 | 5 | 16 |
| New York City | 28 | C- | 26 | C | 24 | C | 16 | B | 21 | C+ | 29 | 34 | 15 |
| Oklahoma City | 1 | A+ | 2 | A+ | 1 | A+ | 1 | A+ | 2 | A+ | 3 | 13 | 6 |
| Omaha | 20 | B- | 34 | D | 20 | B- | 4 | A+ | 35 | D | 4 | 1 | 1 |
| Orlando | 30 | D+ | 21 | C+ | 30 | D+ | 38 | F | 15 | B | 12 | 19 | 12 |
| Philadelphia | 24 | C | 30 | D+ | 18 | B- | 40 | F | 33 | D | 27 | 38 | 37 |
| Phoenix | 22 | C+ | 18 | B- | 25 | C | 33 | D | 7 | A | 14 | 14 | 23 |
| Portland | 16 | B | 11 | A- | 15 | B | 19 | B- | 11 | A- | 18 | 12 | 26 |
| Raleigh | 7 | A | 22 | C+ | 9 | A- | 34 | D | 28 | C- | 25 | 17 | 29 |
| Sacramento | 39 | F | 39 | F | 37 | F | 23 | C+ | 31 | D+ | 31 | 23 | 21 |
| Salt Lake City | 17 | B | 10 | A- | 10 | A- | 10 | A- | 17 | B | 15 | 20 | 10 |
| San Antonio | 15 | B | 22 | C+ | 13 | B+ | 9 | A- | 13 | B+ | 4 | 9 | 33 |
| San Diego | 36 | D | 40 | F | 40 | F | 17 | B | 9 | A- | 35 | 35 | 31 |
| San Francisco | 35 | D | 38 | F | 35 | D | 26 | C | 26 | C | 32 | 31 | 36 |
| San Jose | 25 | C | 30 | D+ | 21 | C+ | 18 | B- | 40 | F | 13 | 21 | 13 |
| Seattle | 27 | C- | 32 | D+ | 33 | D | 2 | A+ | 25 | C | 30 | 32 | 18 |
| Tucson | 38 | F | 28 | C- | 39 | F | 29 | C- | 18 | B- | 39 | 39 | 35 |
| Virginia Beach | 8 | A | 12 | B+ | 22 | C+ | 12 | B+ | 20 | B- | 40 | 40 | 20 |
| Washington, DC | 19 | B- | 3 | A+ | 2 | A+ | 5 | A | 5 | A | 2 | 11 | 38 |

Table 3: State Region Rankings

| State | Region | Rank 1 | Rank 2 | Rank 3 | Rank 4 | Rank 5 | Rank 6 | Rank 7 | Rank 8 | Rank 9 | $\begin{gathered} \text { Rank } \\ 10 \end{gathered}$ | Rank 11 | $\begin{gathered} \text { Rank } \\ 12 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 13 \end{gathered}$ | Rank 14 | $\begin{gathered} \text { Rank } \\ 15 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alabama | Central Alabama | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 2 | 1 |
| Alabama | Northern Alabama | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 3 |
| Alabama | Southern Alabama | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 2 |
| Arizona | Northern Arizona | 2 | 1 | 1 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 |
| Arizona | Southeastern Arizona | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 3 | 2 |
| Arizona | Southwestern Arizona | 1 | 2 | 3 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 |
| California | Central Coast | 2 | 8 | 1 | 3 | 2 | 4 | 5 | 2 | 3 | 4 | 7 | 2 | 6 | 3 | 8 |
| California | Central Valley | 9 | 9 | 9 | 8 | 4 | 7 | 9 | 6 | 7 | 9 | 8 | 9 | 9 | 9 | 7 |
| California | High Sierra/Gold Country | 6 | 6 | 6 | 7 | 7 | 6 | 8 | 8 | 6 | 7 | 4 | 7 | 2 | 2 | 2 |
| California | Inland Empire/Deserts | 8 | 7 | 7 | 6 | 6 | 8 | 6 | 9 | 3 | 6 | 9 | 4 | 7 | 4 | 5 |
| California | Los Angeles | 4 | 4 | 4 | 2 | 3 | 1 | 2 | 5 | 2 | 1 | 6 | 8 | 8 | 8 | 3 |
| California | Orange County | 5 | 5 | 2 | 1 | 1 | 2 | 3 | 1 | 1 | 2 | 1 | 5 | 1 | 1 | 1 |
| California | San Diego | 7 | 2 | 5 | 5 | 8 | 5 | 1 | 7 | 9 | 3 | 3 | 3 | 3 | 7 | 9 |
| California | San Francisco Bay Area | 1 | 3 | 3 | 9 | 9 | 9 | 7 | 4 | 8 | 8 | 2 | 1 | 5 | 6 | 4 |
| California | North Coast/Shasta Cascade | 3 | 1 | 8 | 4 | 5 | 3 | 4 | 3 | 5 | 5 | 5 | 6 | 4 | 5 | 6 |
| Colorado | Denver Metro | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 4 | 2 | 3 | 2 |
| Colorado | Eastern Plains | 5 | 4 | 2 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 |
| Colorado | Front Range | 1 | 1 | 3 | 2 | 2 | 4 | 2 | 1 | 3 | 1 | 1 | 1 | 3 | 2 | 1 |
| Colorado | South Central Colorado | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 1 | 1 | 3 |
| Colorado | Western Colorado | 4 | 5 | 5 | 4 | 4 | 1 | 4 | 5 | 5 | 4 | 3 | 3 | 4 | 5 | 5 |
| Connecticut | Eastern Connecticut | 4 | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 2 | 3 | 4 |
| Connecticut | New Haven | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| Connecticut | River Valley | 1 | 2 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 1 | 1 | 4 | 2 | 2 |
| Connecticut | Western Connecticut | 3 | 3 | 1 | 4 | 3 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 3 |
| Florida | East Central Florida | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 7 | 4 | 1 | 1 | 2 |
| Florida | North Central Florida | 7 | 7 | 2 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 6 | 6 | 4 | 2 | 5 |
| Florida | Northeastern Florida | 3 | 5 | 1 | 2 | 4 | 2 | 1 | 2 | 2 | 1 | 4 | 1 | 6 | 4 | 4 |
| Florida | Northwestern Florida | 5 | 1 | 6 | 6 | 6 | 7 | 6 | 7 | 6 | 6 | 2 | 2 | 7 | 6 | 3 |
| Florida | Southeastern Florida | 1 | 2 | 3 | 1 | 1 | 1 | 3 | 1 | 1 | 2 | 5 | 7 | 3 | 5 | 1 |
| Florida | Southwestern Florida | 6 | 6 | 7 | 4 | 2 | 3 | 2 | 5 | 5 | 5 | 3 | 5 | 2 | 3 | 7 |
| Florida | Tampa Bay | 2 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 1 | 3 | 5 | 7 | 6 |

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Table 3 (cont.)

| State | Region | Rank 1 | Rank 2 | Rank 3 | Rank 4 | Rank 5 | Rank 6 | Rank 7 | Rank 8 | Rank 9 | $\begin{gathered} \text { Rank } \\ 10 \end{gathered}$ | Rank 11 | $\begin{gathered} \text { Rank } \\ 12 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 13 \end{gathered}$ | Rank 14 | Rank 15 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Georgia | Central Georgia | 2 | 4 | 2 | 2 | 3 | 3 | 1 | 2 | 3 | 1 | 2 | 1 | 4 | 1 | 3 |
| Georgia | Metro Atlanta | 3 | 3 | 3 | 3 | 4 | 2 | 2 | 4 | 2 | 3 | 3 | 3 | 3 | 2 | 2 |
| Georgia | Northern Georgia | 4 | 2 | 4 | 4 | 2 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 3 | 4 |
| Georgia | Southern Georgia | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 2 | 1 | 4 | 1 |
| Illinois | Central Illinois | 3 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| Illinois | Metro Chicago | 1 | 2 | 2 | 2 | 3 | 2 | 1 | 3 | 3 | 2 | 2 | 2 | 1 | 2 | 2 |
| Illinois | Southern Illinois | 2 | 1 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 3 | 3 | 3 | 3 | 3 | 4 |
| Illinois | Western Illinois | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 2 | 3 | 4 | 4 | 4 | 4 | 3 |
| Indiana | Central/Southern Indiana | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 1 | 1 | 2 | 2 |
| Indiana | Metro Indianapolis | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 3 | 1 | 3 |
| Indiana | Northern Indiana | 3 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 2 | 3 | 1 |
| Kansas | Central/Western Kansas | 3 | 3 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| Kansas | Eastern Kansas | 2 | 2 | 1 | 2 | 3 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 |
| Kansas | Metro Kansas City | 1 | 1 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Massachusetts | Central/Western Massachusetts | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 |
| Massachusetts | Metro Boston | 1 | 3 | 3 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 3 | 2 | 1 | 1 | 2 |
| Massachusetts | Southeastern Massachusetts | 3 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 |
| Maryland | Baltimore | 5 | 5 | 1 | 2 | 1 | 1 | 1 | 3 | 3 | 1 | 5 | 2 | 2 | 1 | 2 |
| Maryland | Capital Region | 1 | 1 | 3 | 1 | 2 | 3 | 2 | 1 | 1 | 2 | 2 | 1 | 4 | 2 | 1 |
| Maryland | Central Maryland | 2 | 2 | 4 | 3 | 4 | 4 | 3 | 2 | 2 | 4 | 4 | 3 | 3 | 3 | 3 |
| Maryland | Eastern Shore/Southern Maryland | 4 | 3 | 5 | 5 | 3 | 5 | 4 | 4 | 5 | 5 | 3 | 5 | 5 | 4 | 4 |
| Maryland | Western Maryland | 3 | 4 | 2 | 4 | 5 | 2 | 4 | 5 | 4 | 3 | 1 | 4 | 1 | 5 | 5 |
| Michigan | Metro Detroit | 2 | 2 | 2 | 1 | 3 | 1 | 1 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 |
| Michigan | Southeast Lower Michigan | 3 | 1 | 4 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 1 | 1 | 4 | 4 | 4 |
| Michigan | Southwest Lower Michigan | 4 | 3 | 3 | 4 | 4 | 4 | 3 | 2 | 3 | 2 | 4 | 4 | 2 | 2 | 2 |
| Michigan | Upper/Northern Lower Michigan | 1 | 4 | 1 | 3 | 1 | 2 | 4 | 4 | 4 | 4 | 2 | 2 | 1 | 1 | 1 |
| Minnesota | Central Minnesota | 1 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 4 | 2 | 3 | 1 |
| Minnesota | Metro Minneapolis | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 3 | 1 | 2 | 2 |
| Minnesota | Northern Minnesota | 3 | 4 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 4 | 4 | 3 |
| Minnesota | Southern Minnesota | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 1 | 3 | 1 | 4 |
| Missouri | Central/Northern Missouri | 1 | 1 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 1 | 2 | 2 | 3 | 1 | 1 |
| Missouri | Metro Kansas City | 3 | 3 | 3 | 4 | 2 | 4 | 4 | 2 | 4 | 3 | 3 | 4 | 2 | 2 | 3 |
| Missouri | Metro St. Louis | 2 | 2 | 1 | 2 | 3 | 2 | 1 | 3 | 2 | 4 | 4 | 3 | 4 | 4 | 4 |
| Missouri | Southern Missouri | 4 | 4 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 3 | 2 |

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Table 3 (cont.)

| State | Region | Rank 1 | Rank 2 | Rank 3 | Rank 4 | Rank 5 | Rank 6 | Rank 7 | Rank 8 | Rank 9 | $\begin{gathered} \text { Rank } \\ 10 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 11 \end{gathered}$ | Rank 12 | $\begin{gathered} \text { Rank } \\ 13 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 14 \end{gathered}$ | Rank 15 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| North Carolina | Central North Carolina | 5 | 5 | 3 | 6 | 8 | 5 | 6 | 5 | 6 | 7 | 6 | 6 | 7 | 6 | 5 |
| North Carolina | Eastern North Carolina | 9 | 8 | 1 | 5 | 2 | 8 | 1 | 3 | 5 | 8 | 8 | 3 | 8 | 8 | 8 |
| North Carolina | Greater Asheville | 7 | 9 | 9 | 7 | 6 | 6 | 7 | 6 | 7 | 6 | 3 | 3 | 6 | 5 | 2 |
| North Carolina | Metro Charlotte | 1 | 2 | 2 | 2 | 1 | 4 | 3 | 4 | 1 | 2 | 7 | 2 | 1 | 1 | 1 |
| North Carolina | Metro Raleigh | 3 | 1 | 7 | 1 | 3 | 3 | 2 | 1 | 3 | 1 | 5 | 6 | 5 | 4 | 3 |
| North Carolina | Northern Central North Carolina | 2 | 3 | 6 | 3 | 4 | 2 | 4 | 2 | 2 | 5 | 2 | 8 | 2 | 3 | 7 |
| North Carolina | Southern North Carolina | 4 | 6 | 4 | 9 | 5 | 7 | 7 | 9 | 9 | 9 | 3 | 3 | 3 | 2 | 4 |
| North Carolina | Western Central North Carolina | 8 | 7 | 5 | 4 | 6 | 1 | 4 | 7 | 4 | 4 | 9 | 9 | 9 | 9 | 9 |
| North Carolina | Western North Carolina | 6 | 4 | 8 | 8 | 9 | 9 | 9 | 8 | 7 | 3 | 1 | 1 | 4 | 7 | 6 |
| New Hampshire | Northern New Hampshire | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 3 |
| New Hampshire | Seacoast | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 |
| New Hampshire | Southwestern New Hampshire | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 |
| New Jersey | Delaware River | 3 | 2 | 3 | 1 | 2 | 3 | 2 | 2 | 2 | 1 | 4 | 3 | 1 | 2 | 2 |
| New Jersey | Gateway | 2 | 3 | 1 | 4 | 3 | 4 | 3 | 3 | 1 | 3 | 3 | 1 | 2 | 1 | 1 |
| New Jersey | Shore | 1 | 1 | 2 | 3 | 1 | 1 | 4 | 4 | 3 | 4 | 1 | 2 | 4 | 3 | 3 |
| New Jersey | Skyland | 4 | 4 | 4 | 2 | 4 | 2 | 1 | 1 | 4 | 1 | 2 | 4 | 3 | 4 | 4 |
| New York | Central New York | 5 | 4 | 8 | 7 | 6 | 6 | 6 | 8 | 7 | 6 | 3 | 4 | 7 | 7 | 7 |
| New York | Finger Lakes | 7 | 5 | 2 | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 2 | 1 | 8 | 5 | 8 |
| New York | Long Island | 3 | 2 | 1 | 4 | 5 | 3 | 5 | 4 | 4 | 4 | 8 | 6 | 4 | 6 | 2 |
| New York | Lower-Hudson | 1 | 1 | 5 | 5 | 7 | 7 | 2 | 3 | 5 | 7 | 7 | 5 | 3 | 3 | 4 |
| New York | Mid-Hudson | 4 | 3 | 4 | 6 | 4 | 4 | 7 | 6 | 6 | 5 | 6 | 8 | 1 | 1 | 3 |
| New York | New York City | 2 | 7 | 3 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 4 | 3 | 5 | 4 | 1 |
| New York | Southern New York | 6 | 5 | 7 | 2 | 3 | 4 | 4 | 1 | 1 | 2 | 1 | 7 | 6 | 8 | 6 |
| New York | Western New York | 8 | 8 | 6 | 3 | 1 | 1 | 3 | 5 | 3 | 3 | 5 | 2 | 2 | 2 | 5 |
| Ohio | Central Ohio | 2 | 1 | 2 | 3 | 2 | 1 | 4 | 3 | 3 | 4 | 1 | 1 | 2 | 1 | 1 |
| Ohio | Central Western Ohio | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 4 | 2 | 3 |
| Ohio | Eastern Ohio | 3 | 3 | 3 | 4 | 3 | 2 | 2 | 2 | 4 | 3 | 2 | 2 | 5 | 3 | 2 |
| Ohio | Northwestern Ohio | 1 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 2 | 5 | 5 | 1 | 3 | 4 |
| Ohio | Southwestern Ohio | 4 | 4 | 4 | 2 | 4 | 4 | 3 | 4 | 2 | 1 | 4 | 4 | 3 | 5 | 5 |
| Oregon | Central/Eastern Oregon | 3 | 2 | 1 | 2 | 1 | 4 | 4 | 3 | 1 | 3 | 1 | 2 | 4 | 3 | 4 |
| Oregon | Metro Portland | 2 | 3 | 4 | 1 | 3 | 2 | 1 | 1 | 2 | 1 | 4 | 3 | 2 | 2 | 2 |
| Oregon | Northwestern Oregon | 1 | 1 | 3 | 3 | 4 | 1 | 2 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 |
| Oregon | Southwestern Oregon | 4 | 4 | 2 | 4 | 1 | 3 | 3 | 2 | 4 | 4 | 3 | 4 | 3 | 4 | 3 |

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Table 3 (cont.)

| State | Region | Rank 1 | Rank 2 | Rank 3 | Rank 4 | Rank 5 | Rank 6 | Rank 7 | Rank 8 | Rank 9 | $\begin{gathered} \text { Rank } \\ 10 \end{gathered}$ | Rank 11 | $\begin{gathered} \text { Rank } \\ 12 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 13 \end{gathered}$ | Rank 14 | Rank 15 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pennsylvania | Central Pennsylvania/Great Lakes | 4 | 3 | 1 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 2 | 2 | 5 |
| Pennsylvania | Metro Philadelphia | 2 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 2 | 4 | 3 | 4 | 5 | 3 |
| Pennsylvania | Metro Pittsburgh | 3 | 2 | 5 | 4 | 2 | 2 | 2 | 4 | 1 | 4 | 2 | 2 | 1 | 3 | 4 |
| Pennsylvania | Northeastern Pennsylvania | 5 | 5 | 4 | 2 | 4 | 3 | 5 | 2 | 2 | 1 | 3 | 5 | 5 | 4 | 2 |
| Pennsylvania | Pennsylvania Dutch Country | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 3 | 1 | 1 |
| South Carolina | Northeastern South Carolina | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 4 |
| South Carolina | South Carolina Midlands | 2 | 1 | 1 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 1 | 2 | 3 | 2 | 2 |
| South Carolina | South Carolina Upstate | 1 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 1 | 1 |
| South Carolina | Southeastern South Carolina | 3 | 3 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 3 | 2 | 3 | 3 |
| Tennessee | Central Tennessee | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 1 | 3 | 3 | 1 | 2 | 3 | 1 | 2 |
| Tennessee | Eastern Tennessee | 1 | 1 | 2 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 3 |
| Tennessee | Western Tennessee | 3 | 3 | 1 | 1 | 1 | 3 | 2 | 3 | 1 | 1 | 3 | 3 | 1 | 2 | 1 |
| Texas | East Texas | 4 | 4 | 2 | 3 | 4 | 3 | 3 | 3 | 4 | 1 | 1 | 1 | 3 | 3 | 2 |
| Texas | North Texas | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 3 | 4 | 4 | 4 | 4 | 1 |
| Texas | South Texas | 2 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 2 | 1 | 1 | 4 |
| Texas | West Texas | 3 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 |
| Utah | Central/Southern Utah | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| Utah | Northern Utah | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 3 | 2 | 3 |
| Utah | Salt Lake City | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 1 | 3 | 2 | 2 | 2 |
| Virginia | Central/Eastern Virginia | 4 | 4 | 5 | 3 | 4 | 5 | 4 | 5 | 3 | 3 | 3 | 2 | 2 | 3 | 5 |
| Virginia | Hampton Roads | 5 | 5 | 4 | 4 | 3 | 4 | 5 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 4 |
| Virginia | Northern Virginia | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 3 | 1 | 1 | 1 |
| Virginia | Northern Virginia: Metro DC | 1 | 1 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 4 | 3 | 5 | 3 |
| Virginia | Western Valley | 2 | 2 | 1 | 5 | 5 | 3 | 3 | 3 | 5 | 6 | 4 | 1 | 4 | 2 | 2 |
| Virginia | Western Virginia | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 4 | 6 |
| Washington | Eastern Washington | 3 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | 2 | 2 |
| Washington | Metro Seattle | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 2 | 1 | 1 | 1 | 1 |
| Washington | Northwestern Washington | 2 | 3 | 2 | 2 | 3 | 1 | 3 | 3 | 1 | 1 | 4 | 2 | 3 | 5 | 4 |
| Washington | Southwestern Washington | 1 | 1 | 4 | 1 | 2 | 2 | 1 | 2 | 4 | 2 | 3 | 3 | 4 | 3 | 5 |
| Washington | Western Washington | 5 | 5 | 1 | 3 | 1 | 3 | 2 | 1 | 2 | 3 | 1 | 4 | 5 | 4 | 3 |
| Wisconsin | Metro Milwaukee | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 3 | 2 | 4 | 2 | 4 | 4 |
| Wisconsin | Northeastern Wisconsin | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 1 | 1 | 3 | 1 | 4 | 3 | 3 |
| Wisconsin | Southern Central Wisconsin | 1 | 1 | 2 | 4 | 3 | 2 | 3 | 2 | 4 | 4 | 1 | 2 | 1 | 1 | 2 |
| Wisconsin | Western Wisconsin | 2 | 3 | 4 | 2 | 2 | 4 | 2 | 1 | 2 | 2 | 4 | 3 | 3 | 2 | 1 |

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## Table 4: National Region Rankings

|  |  | Rank 1 | Rank 2 | Rank 3 | Rank 4 | Rank 5 | Rank 6 | Rank 7 | Rank 8 | Rank 9 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Region | State |  |  |  |  |  |  |  |  |  | 10 | 11 | 12 | 13 | 14 | 15 |
| Mid-Atlantic | Virginia | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 7 | 4 | 1 |
| Mid-Atlantic | Pennsylvania | 2 | 3 | 6 | 4 | 4 | 6 | 5 | 4 | 3 | 3 | 6 | 4 | 4 | 5 | 5 |
| Mid-Atlantic | Delaware | 3 | 5 | 2 | 3 | 6 | 2 | 2 | 1 | 5 | 5 | 7 | 7 | 3 | 3 | 4 |
| Mid-Atlantic | Maryland | 4 | 2 | 5 | 6 | 5 | 5 | 6 | 6 | 4 | 4 | 4 | 3 | 2 | 2 | 2 |
| Mid-Atlantic | Washington DC | 5 | 7 | 7 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 2 | 1 | 1 | 6 |
| Mid-Atlantic | New Jersey | 6 | 4 | 3 | 5 | 3 | 4 | 4 | 5 | 6 | 6 | 3 | 5 | 6 | 7 | 7 |
| Mid-Atlantic | New York | 7 | 6 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 5 | 6 | 3 |
| Region | State | Rank 1 | Rank 2 | Rank 3 | Rank 4 | Rank 5 | Rank 6 | Rank 7 | Rank 8 | Rank 9 | $\begin{gathered} \text { Rank } \\ 10 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 11 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 12 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 13 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 14 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 15 \end{gathered}$ |
| Midwest | Nebraska | 1 | 2 | 1 | 3 | 8 | 3 | 5 | 3 | 7 | 4 | 2 | 10 | 1 | 1 | 1 |
| Midwest | Kansas | 2 | 1 | 10 | 5 | 9 | 7 | 3 | 6 | 10 | 2 | 3 | 1 | 5 | 4 | 7 |
| Midwest | Indiana | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 7 | 9 | 7 | 5 | 3 |
| Midwest | Minnesota | 4 | 5 | 5 | 4 | 3 | 5 | 6 | 7 | 3 | 5 | 4 | 5 | 3 | 3 | 4 |
| Midwest | Missouri | 5 | 4 | 6 | 6 | 5 | 4 | 4 | 5 | 8 | 8 | 8 | 6 | 9 | 10 | 2 |
| Midwest | lowa | 6 | 8 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 2 | 2 | 10 |
| Midwest | Wisconsin | 7 | 6 | 8 | 8 | 10 | 9 | 7 | 4 | 5 | 10 | 6 | 7 | 4 | 7 | 9 |
| Midwest | Ohio | 8 | 9 | 7 | 7 | 4 | 6 | 8 | 8 | 4 | 6 | 10 | 8 | 10 | 9 | 8 |
| Midwest | Illinois | 9 | 7 | 4 | 9 | 6 | 8 | 10 | 10 | 6 | 7 | 9 | 3 | 8 | 8 | 6 |
| Midwest | Michigan | 10 | 10 | 9 | 10 | 7 | 10 | 9 | 9 | 9 | 9 | 5 | 2 | 6 | 6 | 5 |
| Region | State | Rank 1 | Rank 2 | Rank 3 | Rank 4 | Rank 5 | Rank 6 | Rank 7 | Rank 8 | Rank 9 | $\begin{gathered} \text { Rank } \\ 10 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 11 \end{gathered}$ | $\begin{gathered} \hline \text { Rank } \\ 12 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 13 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 14 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 15 \end{gathered}$ |
| New England | New Hampshire | 1 | 1 | 5 | 1 | 3 | 1 | 1 | 1 | 1 | 2 | 6 | 4 | 2 | 5 | 6 |
| New England | Maine | 2 | 4 | 6 | 4 | 5 | 6 | 2 | 4 | 4 | 3 | 3 | 6 | 5 | 3 | 1 |
| New England | Massachusetts | 3 | 3 | 3 | 3 | 4 | 5 | 3 | 5 | 2 | 4 | 4 | 2 | 3 | 2 | 3 |
| New England | Connecticut | 4 | 2 | 4 | 2 | 2 | 4 | 4 | 3 | 3 | 1 | 5 | 5 | 6 | 6 | 3 |
| New England | Vermont | 5 | 5 | 2 | 5 | 1 | 2 | 5 | 2 | 6 | 6 | 1 | 3 | 4 | 1 | 2 |
| New England | Rhode Island | 6 | 6 | 1 | 6 | 6 | 3 | 6 | 6 | 5 | 5 | 2 | 1 | 1 | 4 | 5 |

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## Table 4 (cont.)

|  |  | Rank 1 | Rank 2 | Rank 3 | Rank 4 | Rank 5 | Rank 6 | Rank 7 | Rank 8 | Rank 9 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Region | State |  |  |  |  |  |  |  |  |  | 10 | 11 | 12 | 13 | 14 | 15 |
| South | Texas | 1 | 3 | 6 | 2 | 5 | 1 | 1 | 5 | 5 | 3 | 7 | 9 | 6 | 8 | 6 |
| South | Oklahoma | 2 | 2 | 3 | 4 | 2 | 3 | 9 | 4 | 3 | 2 | 5 | 4 | 5 | 5 | 2 |
| South | Louisiana | 3 | 5 | 12 | 1 | 4 | 4 | 5 | 1 | 2 | 1 | 1 | 1 | 2 | 3 | 5 |
| South | Georgia | 4 | 4 | 7 | 8 | 7 | 6 | 8 | 9 | 9 | 9 | 6 | 3 | 11 | 12 | 3 |
| South | Alabama | 5 | 7 | 8 | 3 | 3 | 7 | 2 | 2 | 6 | 4 | 2 | 2 | 8 | 2 | 4 |
| South | Arkansas | 6 | 1 | 10 | 9 | 9 | 11 | 10 | 3 | 7 | 7 | 3 | 12 | 1 | 1 | 1 |
| South | South Carolina | 7 | 6 | 1 | 5 | 1 | 2 | 7 | 8 | 1 | 6 | 8 | 7 | 4 | 6 | 11 |
| South | Kentucky | 8 | 9 | 11 | 11 | 12 | 8 | 11 | 11 | 12 | 12 | 11 | 10 | 3 | 9 | 7 |
| South | Tennessee | 9 | 8 | 3 | 6 | 6 | 5 | 4 | 6 | 4 | 5 | 4 | 5 | 7 | 4 | 10 |
| South | Mississippi | 10 | 12 | 2 | 7 | 8 | 9 | 3 | 7 | 7 | 8 | 12 | 11 | 9 | 11 | 12 |
| South | North Carolina | 11 | 10 | 5 | 12 | 11 | 12 | 12 | 12 | 11 | 11 | 10 | 8 | 10 | 7 | 8 |
| South | Florida | 12 | 11 | 9 | 10 | 10 | 10 | 6 | 10 | 10 | 10 | 9 | 6 | 12 | 10 | 9 |
| Region | State | Rank 1 | Rank 2 | Rank 3 | Rank 4 | Rank 5 | Rank 6 | Rank 7 | Rank 8 | Rank 9 | $\begin{gathered} \text { Rank } \\ 10 \end{gathered}$ | Rank 11 | $\begin{gathered} \text { Rank } \\ 12 \end{gathered}$ | $\begin{gathered} \text { Rank } \\ 13 \end{gathered}$ | Rank 14 | Rank 15 |
| West | Idaho | 1 | 1 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 5 | 4 |
| West | Utah | 2 | 2 | 1 | 2 | 2 | 4 | 3 | 2 | 3 | 2 | 5 | 6 | 2 | 2 | 1 |
| West | Colorado | 3 | 4 | 2 | 4 | 5 | 3 | 4 | 3 | 7 | 4 | 7 | 9 | 8 | 7 | 5 |
| West | Nevada | 4 | 5 | 5 | 3 | 3 | 2 | 2 | 4 | 2 | 3 | 8 | 3 | 11 | 10 | 6 |
| West | Montana | 5 | 8 | 7 | 9 | 11 | 11 | 7 | 6 | 5 | 9 | 11 | 1 | 1 | 6 | 2 |
| West | Oregon | 6 | 3 | 10 | 5 | 6 | 6 | 6 | 5 | 4 | 5 | 3 | 7 | 4 | 3 | 10 |
| West | Arizona | 7 | 7 | 3 | 6 | 7 | 5 | 5 | 7 | 8 | 7 | 9 | 5 | 6 | 4 | 9 |
| West | Washington | 8 | 6 | 6 | 7 | 8 | 7 | 9 | 8 | 9 | 8 | 2 | 11 | 10 | 9 | 8 |
| West | New Mexico | 9 | 10 | 9 | 8 | 4 | 10 | 11 | 11 | 6 | 6 | 4 | 4 | 7 | 1 | 3 |
| West | California | 10 | 9 | 4 | 10 | 9 | 9 | 10 | 10 | 10 | 9 | 6 | 10 | 9 | 8 | 11 |
| West | Hawaii | 11 | 11 | 11 | 11 | 10 | 8 | 8 | 9 | 11 | 11 | 10 | 8 | 5 | 11 | 7 |

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## Appendix C: Linear Regressions

## Table 1: Nation

| Regression Statistics |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $R$ | 0.59644 |  |  |  |  |  |  |
| $R$ Square | 0.35574 |  |  |  |  |  |  |
| Adjusted R Square | 0.35364 |  |  |  |  |  |  |
| $S$ | 2.08401 |  |  |  |  |  |  |
| Total number of observations | 3376 |  |  |  |  |  |  |
| ANOVA | d.f. | SS | MS | F | p-level |  |  |
| Regression | 11. | $\begin{aligned} & 8,067.43014 \\ & 14,610.2330 \end{aligned}$ | 733.40274 | 168.86567 | 0.0000 |  |  |
| Residual | 3,364. | $\begin{aligned} & 7 \\ & 22,677.6632 \end{aligned}$ | 4.34311 |  |  |  |  |
| Total | 3,375. | 1 |  |  |  |  |  |
|  | Coefficient | Standard Error | LCL | UCL | $t$ Stat | p-level | HO (2\%) rejected? |
| Intercept | 2.8536 | 0.2448 | 2.2838 | 3.4234 | 11.6564 | 0.0000 | Yes |
| How much does it cost to hire a new employee in addition to their salary? | 0.117 | 0.0183 | 0.0745 | 0.1595 | 6.4013 | 0.0000 | Yes |
| Health and safety regulations | 0.2148 | 0.0586 | 0.0783 | 0.3513 | 3.6629 | 0.0003 | Yes |
| Employment, labor and hiring regulations | 0.2087 | 0.0579 | 0.0739 | 0.3434 | 3.6045 | 0.0003 | Yes |
| Tax code and tax-related regulations | 0.2436 | 0.0546 | 0.1166 | 0.3706 | 4.4637 | 0.0000 | Yes |
| Licensing forms, requirements and fees | 0.4232 | 0.0497 | 0.3075 | 0.5388 | 8.5162 | 0.0000 | Yes |
| Environmental regulations | -0.0168 | 0.0593 | -0.1548 | 0.1211 | -0.2842 | 0.7763 | No |
| Zoning or land use regulations | 0.1137 | 0.0545 | -0.0131 | 0.2406 | 2.0864 | 0.037 | No |
| How would you rate your company's financial situation today? | 0.3661 | 0.0381 | 0.2775 | 0.4548 | 9.6106 | 0.0000 | Yes |
| How do you think your company's financial situation will be 12 months from now? Are you aware of your state or local government offering training programs for small business | 0.4208 | 0.0461 | 0.3134 | 0.5282 | 9.1207 | 0.0000 | Yes |
| owners? | 0.4457 | 0.0866 | 0.2442 | 0.6472 | 5.1475 | 0.0000 | Yes |
| Are you aware of your state or local government offering networking programs for small business owners? | 0.3483 | 0.1016 | 0.1119 | 0.5848 | 3.4291 | 0.0006 | Yes |

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## Table 2: California

| Regression Statistics |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $R$ | 0.63892 |  |  |  |  |  |  |
| $R$ Square | 0.40822 |  |  |  |  |  |  |
| Adjusted R Square | 0.39486 |  |  |  |  |  |  |
| $S$ | 2.24231 |  |  |  |  |  |  |
| Total number of observations | 499 |  |  |  |  |  |  |
| ANOVA | d.f. | SS | MS | $F$ | p-level |  |  |
| Regression | 11. | $\begin{aligned} & 1,689.1072 \\ & 2,448.6042 \end{aligned}$ | 153.5552 | 30.54041 | 0.0000 |  |  |
| Residual | 487. | , ${ }^{2}$ | 5.02793 |  |  |  |  |
| Total | 498. | $\begin{array}{r} 4,137.7114 \\ 2 \\ \hline \end{array}$ |  |  |  |  |  |
|  | Coefficients | Standard Error | LCL | UCL | $t$ Stat | p-level | HO (2\%) rejected? |
| Intercept | 1.12579 | 0.63178 | -0.3488 | 2.60038 | 1.78194 | $\begin{gathered} 0.07538 \\ 0 . \end{gathered}$ | No |
| How much does it cost to hire a new employee in addition to their salary? | 0.23374 | 0.04767 | 0.12247 | 0.345 | 4.90314 | 0000 | Yes |
| Health and safety regulations | 0.09731 | 0.16172 | -0.28014 | 0.47475 | 0.60171 | 0.54765 | No |
| Employment, labor and hiring regulations | 0.50381 | 0.16741 | 0.11307 | 0.89455 | 3.00946 | 0.00275 | Yes |
| Tax code and tax-related regulations | -0.08253 | 0.16859 | -0.47603 | 0.31097 | -0.48954 | 0.62468 | No |
| Licensing forms, requirements and fees | 0.633 | 0.14945 | 0.28416 | 0.98183 | 4.23536 | 0.00003 | Yes |
| Environmental regulations | 0.2051 | 0.15056 | -0.14631 | 0.55652 | 1.36226 | 0.17374 | No |
| Zoning or land use regulations | -0.0434 | 0.15678 | -0.40934 | 0.32253 | -0.27684 | 0.78202 | No |
| How would you rate your company's financial situation today? | 0.35191 | 0.10549 | 0.1057 | 0.59813 | 3.336 | 0.00091 | Yes |
| How do you think your company's financial situation will be 12 months from now? Are you aware of your state or local government offering training programs for | 0.41135 | 0.12027 | 0.13062 | 0.69207 | 3.42005 | 0.00068 | Yes |
| small business owners? | 0.30385 | 0.24525 | -0.26857 | 0.87627 | 1.23894 | 0.21597 | No |
| Are you aware of your state or local government offering networking programs for small business owners? | 0.13664 | 0.29846 | -0.55999 | 0.83326 | 0.4578 | 0.6473 | No |

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Table 3: Texas

| Regression Statistics |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $R$ | 0.63069 |  |  |  |  |  |  |
| $R$ Square | 0.39777 |  |  |  |  |  |  |
| Adjusted R Square | 0.36958 |  |  |  |  |  |  |
| $S$ | 1.81251 |  |  |  |  |  |  |
| Total number of observations | 247 |  |  |  |  |  |  |
| ANOVA | d.f. | SS | MS | F | p-level |  |  |
| Regression | 11. | 509.91522 | 46.35593 | 14.11057 | 0.0000 |  |  |
| Residual | 235. | 772.02 | 3.28519 |  |  |  |  |
| Total | 246. | 1,281.93522 |  |  |  |  |  |
|  | Coefficients | Standard Error | LCL | UCL | $t$ Stat | p-level | HO (2\%) rejected? |
| Intercept | 4.67345 | 0.99964 | 2.33197 | 7.01492 | 4.67513 | 0.0000 | Yes |
| How much does it cost to hire a new employee in addition to their salary? | 0.006 | 0.06716 | -0.1513 | 0.1633 | 0.08931 | 0.92891 | No |
| Health and safety regulations | 0.09797 | 0.20393 | -0.37971 | 0.57565 | 0.4804 | 0.63139 | No |
| Employment, labor and hiring regulations | 0.13054 | 0.19482 | -0.32579 | 0.58686 | 0.67006 | 0.50348 | No |
| Tax code and tax-related regulations | 0.55904 | 0.18322 | 0.12989 | 0.98818 | 3.05125 | 0.00254 | Yes |
| Licensing forms, requirements and fees | 0.46888 | 0.18923 | 0.02564 | 0.91212 | 2.47783 | 0.01392 | Yes |
| Environmental regulations | -0.37178 | 0.1767 | -0.78566 | 0.04211 | -2.10402 | 0.03644 | No |
| Zoning or land use regulations | 0.13582 | 0.17756 | -0.28009 | 0.55173 | 0.76489 | 0.4451 | No |
| How would you rate your company's financial situation today? | 0.46967 | 0.12089 | 0.18651 | 0.75283 | 3.88515 | 0.00013 | Yes |
| How do you think your company's financial situation will be 12 months from now? | 0.43899 | 0.15193 | 0.08312 | 0.79485 | 2.88943 | 0.00422 | Yes |
| Are you aware of your state or local government offering training programs for small business owners? | -0.2169 | 0.28527 | -0.88511 | 0.4513 | -0.76033 | 0.44782 | No |
| Are you aware of your state or local government offering networking programs for small business owners? | 1.24956 | 0.35881 | 0.40911 | 2.09 | 3.48251 | 0.00059 | Yes |

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Table 4: Special Regulatory Requirements Imposed on Respondent's Profession

| Regression Statistics |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $R$ | 0.63526 |  |  |  |  |  |  |
| $R$ Square | 0.40355 |  |  |  |  |  |  |
| Adjusted R Square | 0.39838 |  |  |  |  |  |  |
| $S$ | 2.10938 |  |  |  |  |  |  |
| Total number of observations | 1397 |  |  |  |  |  |  |
| ANOVA | d.f. | SS | MS | $F$ | p-level |  |  |
| Regression | 12. | 4,166.53871 | 347.21156 | 78.03409 | 0.0000 |  |  |
| Residual | 1,384. | 6,158.08835 | 4.44949 |  |  |  |  |
|  |  | 10,324.6270 |  |  |  |  |  |
| Total | 1,396. | 6 |  |  |  |  |  |
|  | Coefficients | Standard Error | LCL | UCL | $t$ Stat | p-level | HO (2\%) rejected? |
| Intercept | 1.8945 | 0.3637 | 1.0475 | 2.7416 | 5.2092 | 0.0000 | Yes |
| How much does it cost to hire a new employee in addition to their salary? | 0.1341 | 0.0288 | 0.0669 | 0.2013 | 4.6494 | 0.0000 | Yes |
| Health and safety regulations | 0.1926 | 0.0876 | -0.0115 | 0.3967 | 2.1983 | 0.0281 | No |
| Employment, labor and hiring regulations | 0.1312 | 0.086 | -0.069 | 0.3314 | 1.5265 | 0.1271 | No |
| Tax code and tax-related regulations | 0.2745 | 0.0825 | 0.0822 | 0.4667 | 3.3251 | 0.0009 | Yes |
| Licensing forms, requirements and fees | 0.2302 | 0.073 | 0.0602 | 0.4002 | 3.1537 | 0.0016 | Yes |
| Environmental regulations | -0.0513 | 0.0893 | -0.2593 | 0.1566 | -0.5748 | 0.5655 | No |
| Zoning or land use regulations | 0.0969 | 0.0803 | -0.0902 | 0.2839 | 1.206 | 0.228 | No |
| How would you rate your company's financial situation today? | 0.391 | 0.059 | 0.2535 | 0.5284 | 6.6245 | 0.0000 | Yes |
| How do you think your company's financial situation will be 12 months from now? | 0.3431 | 0.0726 | 0.174 | 0.5123 | 4.7251 | 0.0000 | Yes |
| Are you aware of your state or local government offering training programs for small business owners? | 0.22 | 0.1352 | -0.0949 | 0.5348 | 1.6273 | 0.1039 | No |
| Are you aware of your state or local government offering networking programs for small business owners? | 0.2735 | 0.1584 | -0.0955 | 0.6426 | 1.7264 | 0.0845 | No |
| How difficult or easy is it to comply with your state's regulatory requirements for your profession? | 0.5892 | 0.056 | 0.4587 | 0.7197 | 10.5121 | 0.0000 | Yes |

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## Table 5: No Special Regulatory Requirements Imposed on Respondent's Profession

| Regression Statistics |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $R$ | 0.5935 |  |  |  |  |  |  |
| $R$ Square | 0.35224 |  |  |  |  |  |  |
| Adjusted R Square | 0.34856 |  |  |  |  |  |  |
| $S$ | 1.99391 |  |  |  |  |  |  |
| Total number of observations | 1950 |  |  |  |  |  |  |
| ANOVA | d.f. | SS | MS | $F$ | p-level |  |  |
| Regression | 11. | 4,189.74723 | 380.88611 | 95.80373 | 0.0000 |  |  |
| Residual | 1,938. | 7,704.89072 | 3.97569 |  |  |  |  |
|  |  | 11,894.6379 |  |  |  |  |  |
| Total | 1,949. | 5 |  |  |  |  |  |
|  | Coefficien ts | Standard Error | LCL | UCL | $t$ Stat | p-level | HO (2\%) rejected? |
| Intercept | 3.43962 | 0.32824 | 2.67538 | 4.20387 | 10.47886 | 0.0000 | Yes |
| How much does it cost to hire a new employee in addition to their salary? | 0.07226 | 0.02321 | 0.01821 | 0.1263 | 3.11296 | 0.00188 | Yes |
| Health and safety regulations | 0.17519 | 0.07724 | -0.00465 | 0.35503 | 2.2681 | 0.02343 | No |
| Employment, labor and hiring regulations | 0.26479 | 0.07656 | 0.08655 | 0.44303 | 3.45877 | 0.00055 | Yes |
| Tax code and tax-related regulations | 0.23385 | 0.07135 | 0.06772 | 0.39997 | 3.27739 | 0.00107 | Yes |
| Licensing forms, requirements and fees | 0.46317 | 0.06799 | 0.30486 | 0.62147 | 6.81185 | $1.28138 \mathrm{E}-11$ | Yes |
| Environmental regulations | -0.02737 | 0.07726 | -0.20724 | 0.1525 | -0.35428 | 0.72317 | No |
| Zoning or land use regulations | 0.08239 | 0.07251 | -0.08643 | 0.25121 | 1.13622 | 0.256 | No |
| How would you rate your company's financial situation today? | 0.34861 | 0.04879 | 0.23501 | 0.46222 | 7.14481 | 1.27021E-12 | Yes |
| How do you think your company's financial situation will be 12 months from now? | 0.4021 | 0.05864 | 0.26557 | 0.53862 | 6.85728 | 9.40392E-12 | Yes |
| Are you aware of your state or local government offering training programs for small business owners? | 0.57631 | 0.11028 | 0.31956 | 0.83307 | 5.22598 | 0.0000 | Yes |
| Are you aware of your state or local government offering networking programs for small business owners? | 0.40136 | 0.12929 | 0.10033 | 0.70238 | 3.10428 | 0.00194 | Yes |

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Table 6: Effect of Imposition of Special Professional Requirements

| Regression Statistics |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $R$ | 0.60066 |  |  |  |  |  |  |
| $R$ Square | 0.3608 |  |  |  |  |  |  |
| Adjusted R Square | 0.3585 |  |  |  |  |  |  |
| $S$ | 2.07691 |  |  |  |  |  |  |
| Total number of observations | 3359 |  |  |  |  |  |  |
| ANOVA | d.f. | SS | MS | $F$ | p-level |  |  |
| Regression | 12. | $\begin{aligned} & 8,146.75377 \\ & 14,433.1896 \end{aligned}$ | 678.89615 | 157.38631 | 0.0000 |  |  |
| Residual | 3,346. | $\begin{aligned} & 6 \\ & 22,579.9434 \end{aligned}$ | 4.31357 |  |  |  |  |
| Total | 3,358. | 4 |  |  |  |  |  |
|  | Coefficien ts | Standard Error | LCL | UCL | $t$ Stat | p-level | HO (2\%) rejected? |
| Intercept | 3.07447 | 0.24995 | 2.49274 | 3.65621 | 12.30057 | 0.0000 | Yes |
| How much does it cost to hire a new employee in addition to their salary? | 0.11189 | 0.01827 | 0.06937 | 0.15442 | 6.12412 | 0.0000 | Yes |
| Health and safety regulations | 0.22368 | 0.0585 | 0.08752 | 0.35985 | 3.82344 | 0.00013 | Yes |
| Employment, labor and hiring regulations | 0.20838 | 0.05778 | 0.0739 | 0.34285 | 3.60658 | 0.00031 | Yes |
| Tax code and tax-related regulations | 0.23738 | 0.05444 | 0.11067 | 0.36409 | 4.36035 | 0.00001 | Yes |
| Licensing forms, requirements and fees | 0.41544 | 0.04968 | 0.29981 | 0.53107 | 8.36222 | 1.11022E-16 | Yes |
| Environmental regulations | -0.02013 | 0.05909 | -0.15766 | 0.11741 | -0.34059 | 0.73343 | No |
| Zoning or land use regulations | 0.1117 | 0.05439 | -0.01489 | 0.2383 | 2.05369 | 0.04008 | No |
| How would you rate your company's financial situation today? | 0.37085 | 0.03813 | 0.28211 | 0.45959 | 9.7271 | 0.0000 | Yes |
| How do you think your company's financial situation will be 12 months from now? | 0.41403 | 0.04614 | 0.30665 | 0.52142 | 8.97356 | 0.0000 | Yes |
| Are you aware of your state or local government offering training programs for small business owners? | 0.44901 | 0.08659 | 0.24747 | 0.65055 | 5.18537 | 0.0000 | Yes |
| Are you aware of your state or local government offering networking programs for small business owners? | 0.35291 | 0.10153 | 0.1166 | 0.58921 | 3.47593 | 0.00052 | Yes |
| Does your state impose any special regulatory requirements on your profession? | -0.32464 | 0.0733 | -0.49525 | -0.15403 | -4.42884 | 0.00001 | Yes |

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## Appendix D: Demographics

## Table 1: Gender

|  | \% more (less) likely a Female small business owner is to rate the state as supportive vs. her Male counterpart | \% more (less) likely a Female small business owner is to rate the state as easy to start a business vs. her Male counterpart | \% more (less) likely a Female small business owner is to rate her company's financial situation today as good or very good vs. her Male counterpart | \% more (less) likely a Female small business owner is to rate her company's financial situation in a year as better vs. her Male counterpart |
| :---: | :---: | :---: | :---: | :---: |
| NATION | 8.85\% | 9.85\% | -7.54\% | 5.15\% |
| AL | 33.33\% | 66.67\% | 7.14\% | 12.50\% |
| AR | 42.86\% | -6.25\% | 150.00\% | 10.00\% |
| AZ | -16.00\% | -2.89\% | -41.98\% | -0.02\% |
| CA | 37.39\% | 16.95\% | -15.91\% | 8.38\% |
| CO | -10.61\% | 25.27\% | 14.23\% | 7.78\% |
| CT | -5.88\% | -38.38\% | -48.24\% | 15.00\% |
| DE | 125.00\% | 8.00\% | -100.00\% | -29.63\% |
| FL | 0.83\% | 4.12\% | -7.79\% | 5.41\% |
| GA | 12.46\% | 31.17\% | 9.46\% | 15.94\% |
| HI | -22.08\% | 36.36\% | -12.73\% | -52.78\% |
| IA | -50.55\% | -76.19\% | 42.86\% | -86.67\% |
| ID | 17.95\% | -7.69\% | 10.77\% | -8.33\% |
| IL | 6.78\% | -3.03\% | -7.76\% | 7.47\% |
| IN | -2.86\% | 4.35\% | 14.29\% | 1.79\% |
| KS | 27.68\% | 11.43\% | -13.33\% | -34.62\% |
| KY | 0.00\% | 55.56\% | -3.03\% | 6.25\% |
| LA | -46.67\% | -12.73\% | 68.00\% | 33.33\% |
| MA | 5.10\% | 35.00\% | -15.38\% | -0.91\% |
| MD | 34.69\% | 31.90\% | -52.27\% | 15.46\% |
| ME | 166.67\% | 33.33\% | -33.33\% | 10.00\% |
| MI | 9.76\% | 1.87\% | 34.69\% | -3.77\% |
| MN | -1.09\% | 14.27\% | -17.02\% | 5.54\% |
| MO | 1.60\% | -26.37\% | -30.34\% | 7.76\% |
| MS | -11.11\% | -100.00\% | -100.00\% | -200.00\% |
| MT | 60.00\% | 300.00\% | -11.11\% | -31.25\% |
| NC | 9.09\% | 9.33\% | 21.88\% | 0.94\% |
| NE | -22.22\% | -2.78\% | 55.56\% | 0.00\% |
| NH | -0.62\% | 14.29\% | -14.67\% | 14.06\% |
| NJ | 8.44\% | 15.48\% | -8.66\% | 8.62\% |
| NM | -10.00\% | -25.00\% | -70.00\% | -25.93\% |
| NV | -13.73\% | -9.78\% | -2.89\% | -4.92\% |
| NY | 28.79\% | 26.81\% | 1.32\% | 5.86\% |
| OH | 13.32\% | -7.43\% | 21.01\% | 12.59\% |
| OK | 10.92\% | -2.26\% | 28.57\% | 6.35\% |
| OR | 23.19\% | 39.87\% | -10.25\% | -8.24\% |
| PA | -6.58\% | -7.32\% | -6.66\% | 4.07\% |
| RI | 71.43\% | 125.00\% | 50.00\% | 33.33\% |
| SC | 6.99\% | -9.47\% | 17.00\% | 14.65\% |
| TN | 2.71\% | 13.72\% | 37.67\% | 14.97\% |
| TX | 1.60\% | -2.00\% | -15.82\% | 7.73\% |
| UT | -14.47\% | 5.26\% | -26.32\% | -14.00\% |
| VA | 5.55\% | 30.88\% | 6.27\% | 1.99\% |
| VT | 12.50\% | -55.00\% | -62.50\% | -33.33\% |
| WA | 0.67\% | 1.66\% | -32.66\% | 1.12\% |
| WI | -5.71\% | 14.29\% | 50.46\% | 1.58\% |

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Table 2: Political Orientation

|  | \% more (less) likely a Conservative small business owner is to rate the state as supportive vs. his Independent counterpart | \% more (less) likely a Conservative small business owner is to rate the state as supportive vs. his Liberal counterpart | \% more (less) likely an Independent small business owner is to rate the state as supportive vs. his Liberal counterpart | \% more (less) likely a Conservative small business owner is to rate the state as easy to start a business vs. his Independent counterpart |  | \% more (less) likely an Independent small business owner is to rate the state as easy to start a business vs. his Liberal counterpart | \% more (less) <br> likely a Conservative small business owner is to rate her company's financial situation today as good or very good vs. her Independent counterpart | \% more (less) <br> likely a <br> Conservative small business owner is to rate her company's financial situation today as good or very good vs. her Liberal counterpart | \% more (less) <br> likely an Independent small business owner is to rate her company's financial situation today as good or very good vs. her Liberal counterpart | \% more (less) <br> likely a Conservative small business owner is to rate her company's financial situation in a year as better than today vs. her Independent counterpart | \% more (less) <br> likely a <br> Conservative small business owner is to rate her company's financial situation in a year as better than today vs. her Liberal counterpart | \% more (less) <br> likely an Independent small business owner is to rate her company's financial situation in a year as better than today vs. her Liberal counterpart |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NATION | 1.8\% | 0.4\% | -1.4\% | 16.3\% | -0.5\% | -14.4\% | 23.3\% | 17.0\% | -5.1\% | 0.0\% | -8.0\% | -8.0\% |
| AL | 3.9\% | n/a | n/a | 6.1\% | n/a | n/a | 90.9\% | n/a | n/a | 11.1\% | n/a | n/a |
| AR | 2.9\% | 71.4\% | 66.7\% | -31.4\% | -42.9\% | -16.7\% | 28.6\% | -57.1\% | -66.7\% | -14.3\% | -14.3\% | 0.0\% |
| AZ | 3.4\% | -22.4\% | -25.0\% | 57.6\% | -12.0\% | -44.1\% | 72.1\% | -2.2\% | -43.2\% | 0.0\% | -9.9\% | -9.9\% |
| CA | -18.5\% | -30.5\% | -14.6\% | -15.0\% | -33.0\% | -21.3\% | 48.6\% | 29.1\% | -13.1\% | -2.7\% | -15.1\% | -12.7\% |
| CO | -21.1\% | -27.8\% | -8.4\% | -3.1\% | -7.2\% | -4.3\% | 15.5\% | 39.1\% | 20.5\% | -13.9\% | -23.6\% | -11.3\% |
| CT | 3.3\% | 52.7\% | 47.8\% | -23.0\% | 1.8\% | 32.2\% | 40.3\% | 90.9\% | 36.1\% | -3.0\% | -21.7\% | -19.2\% |
| DE | 6.7\% | 0.0\% | -6.2\% | 166.7\% | 50.0\% | -43.8\% | 433.3\% | 100.0\% | -62.5\% | -11.1\% | 0.0\% | 12.5\% |
| FL | 17.6\% | 26.2\% | 7.3\% | 38.8\% | 23.9\% | -10.8\% | 25.1\% | 4.8\% | -16.2\% | 4.5\% | 3.4\% | -1.1\% |
| GA | -25.2\% | -4.3\% | 27.9\% | 5.3\% | -10.4\% | -14.9\% | -38.8\% | -42.8\% | -6.5\% | -11.8\% | 5.6\% | 19.7\% |
| HI | -35.0\% | -20.0\% | 23.1\% | 56.0\% | 260.0\% | 130.8\% | -13.3\% | 20.0\% | 38.5\% | -48.0\% | -52.0\% | -7.7\% |
| IA | 20.0\% | -4.0\% | -20.0\% | 20.0\% | -40.0\% | -50.0\% | -28.0\% | 20.0\% | 66.7\% | -28.0\% | -60.0\% | -44.4\% |
| ID | 21.9\% | 40.6\% | 15.4\% | 9.4\% | 181.3\% | 157.1\% | -12.5\% | 31.3\% | 50.0\% | 13.8\% | -18.8\% | -28.6\% |
| IL | 0.9\% | 5.8\% | 4.8\% | 6.1\% | 18.1\% | 11.2\% | -42.6\% | -8.6\% | 59.2\% | -0.1\% | -9.9\% | -9.8\% |
| IN | 5.6\% | 47.8\% | 40.0\% | 39.8\% | -13.0\% | -37.8\% | 4.3\% | -30.4\% | -33.3\% | -0.9\% | -0.9\% | 0.0\% |
| Ks | -7.1\% | -27.8\% | -22.2\% | 185.7\% | 14.3\% | -60.0\% | 2.9\% | -14.3\% | -16.7\% | -4.8\% | -4.8\% | 0.0\% |
| KY | 16.1\% | 42.9\% | 23.1\% | -53.6\% | -71.4\% | -38.5\% | -7.1\% | -14.3\% | -7.7\% | -7.1\% | -21.4\% | -15.4\% |
| LA | -27.3\% | n/a | n/a | 12.0\% | -30.0\% | -37.5\% | 145.0\% | -30.0\% | -71.4\% | -4.5\% | -30.0\% | -26.7\% |
| MA | 5.9\% | -25.4\% | -29.6\% | 11.2\% | 0.0\% | -10.1\% | 7.5\% | 48.5\% | 38.1\% | -9.8\% | -16.9\% | -7.9\% |
| MD | -31.5\% | 20.3\% | 75.5\% | -42.7\% | -48.9\% | -10.7\% | 22.3\% | 143.5\% | 99.1\% | -8.8\% | -14.9\% | -6.7\% |
| ME | 37.5\% | -50.0\% | -63.6\% | 37.5\% | -50.0\% | -63.6\% | 175.0\% | n/a | n/a | -38.9\% | -50.0\% | -18.2\% |
| MI | -10.1\% | -13.0\% | -3.2\% | 24.1\% | -28.4\% | -42.2\% | 0.7\% | -3.2\% | -3.8\% | -0.7\% | -11.2\% | -10.6\% |

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Table 2 (cont.)

|  | \% more (less) likely a Conservative small business owner is to rate the state as supportive vs. his Independent counterpart | \% more (less) likely a Conservative small business owner is to rate the state as supportive vs. his Liberal counterpart | \% more (less) likely an <br> Independent small business owner is to rate the state as supportive vs. his Liberal counterpart | \% more (less) likely a Conservative small business owner is to rate the state as easy to start a business vs. his Independent counterpart | \% more (less) likely a Conservative small business owner is to rate the state as easy to start a business vs. his Liberal counterpart | $\%$ more <br> (less) likely <br> anIndependentsmallbusinessowner is torate thestate as easyto start abusiness vs.his Liberalcounterpart | \% more (less) likely a <br> Conservative small business owner is to rate her company's financial situation today as good or very good vs. her Independent counterpart | \% more (less) likely a <br> Conservative small business owner is to rate her company's financial situation today as good or very good vs. her Liberal counterpart | \% more (less) <br> likely an <br> Independent <br> small business <br> owner is to rate her company's financial situation today as good or very good vs. her Liberal counterpart | \% more (less) likely a <br> Conservative small business owner is to rate her company's financial situation in a year as better than today vs. her Independent counterpart | \% more (less) likely a <br> Conservative small business owner is to rate her company's financial situation in a year as better than today vs. her Liberal counterpart | \% more (less) <br> likely an <br> Independent <br> small business <br> owner is to rate her company's financial situation in a year as better than today vs. her Liberal counterpart |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MO | 32.2\% | 68.8\% | 27.7\% | 20.2\% | 27.9\% | 6.5\% | 23.0\% | 12.2\% | -8.8\% | 17.2\% | 5.0\% | -10.4\% |
| MS | 0.0\% | 12.5\% | 12.5\% | 300.0\% | n/a | n/a | 100.0\% | n/a | n/a | 33.3\% | 50.0\% | 12.5\% |
| MT | -41.7\% | n/a | n/a | 162.5\% | n/a | n/a | -41.7\% | n/a | n/a | 40.0\% | n/a | n/a |
| NC | -2.0\% | -8.3\% | -6.4\% | 44.7\% | 35.3\% | -6.5\% | 42.9\% | 3.6\% | -27.5\% | -5.6\% | -1.8\% | 4.0\% |
| NE | -13.3\% | 20.0\% | 38.5\% | -25.7\% | -46.7\% | -28.2\% | 73.3\% | 220.0\% | 84.6\% | 0.0\% | 0.0\% | 0.0\% |
| NH | -36.0\% | -23.6\% | 19.3\% | -9.6\% | -25.8\% | -17.9\% | 33.9\% | 27.3\% | -4.9\% | -4.5\% | -36.4\% | -33.3\% |
| NJ | 8.7\% | -3.4\% | -11.2\% | -8.0\% | 3.5\% | 12.5\% | -18.2\% | 4.0\% | 27.2\% | -10.0\% | -26.9\% | -18.7\% |
| NM | 24.4\% | 620.0\% | 478.6\% | -6.7\% | -28.0\% | -22.9\% | 180.0\% | 35.0\% | -51.8\% | 16.7\% | 28.6\% | 10.2\% |
| NV | 43.7\% | 71.4\% | 19.3\% | 22.1\% | -11.6\% | -27.6\% | -18.6\% | -42.9\% | -29.8\% | 4.0\% | 2.9\% | -1.1\% |
| NY | -17.0\% | -37.4\% | -24.5\% | 0.8\% | -12.5\% | -13.2\% | 35.2\% | 4.3\% | -22.8\% | 3.2\% | -13.2\% | -15.8\% |
| OH | 14.5\% | 17.5\% | 2.6\% | 5.2\% | -9.1\% | -13.6\% | 32.5\% | 40.3\% | 5.8\% | 15.0\% | 26.5\% | 10.0\% |
| OK | 10.2\% | 16.7\% | 5.9\% | 9.1\% | 5.9\% | -2.9\% | 136.1\% | 66.7\% | -29.4\% | -5.9\% | 182.4\% | 200.0\% |
| OR | -26.5\% | -25.3\% | 1.6\% | -13.6\% | -38.6\% | -28.9\% | 22.6\% | 14.2\% | -6.8\% | 14.9\% | 8.4\% | -5.7\% |
| PA | -4.0\% | -10.9\% | -7.2\% | 11.1\% | -7.5\% | -16.8\% | -2.7\% | 7.2\% | 10.1\% | -2.9\% | -18.8\% | -16.4\% |
| RI | -7.1\% | -25.0\% | -19.2\% | -18.8\% | -62.5\% | -53.8\% | 95.0\% | 125.0\% | 15.4\% | 8.3\% | -25.0\% | -30.8\% |
| SC | 36.8\% | -26.3\% | -46.2\% | 31.4\% | 68.4\% | 28.2\% | 0.0\% | -36.8\% | -36.8\% | 6.2\% | -21.1\% | -25.6\% |
| TN | -16.8\% | 0.3\% | 20.6\% | 59.1\% | 53.5\% | -3.5\% | -2.1\% | -20.3\% | -18.6\% | 6.0\% | 0.3\% | -5.4\% |
| TX | 13.7\% | 11.7\% | -1.7\% | 29.9\% | -1.1\% | -23.9\% | 56.8\% | 28.9\% | -17.8\% | -2.1\% | 0.0\% | 2.1\% |
| UT | 4.9\% | -11.7\% | -15.8\% | 12.9\% | 3.0\% | -8.8\% | 12.5\% | 33.3\% | 18.5\% | -2.8\% | -6.5\% | -3.8\% |
| VA | 3.4\% | 17.6\% | 13.7\% | 17.8\% | -12.9\% | -26.1\% | -19.2\% | -31.4\% | -15.1\% | 6.0\% | -19.1\% | -23.6\% |
| VT | -100.0\% | -100.0\% | -46.4\% | -100.0\% | -100.0\% | -28.6\% | -12.5\% | 25.0\% | 42.9\% | -50.0\% | -50.0\% | 0.0\% |
| WA | 1.0\% | -26.7\% | -27.4\% | 9.5\% | -15.2\% | -22.5\% | 111.1\% | 60.0\% | -24.2\% | 6.0\% | -13.6\% | -18.4\% |
| WI | 21.9\% | 75.0\% | 43.6\% | -24.2\% | 18.7\% | 56.5\% | -10.8\% | 22.2\% | 37.0\% | -13.0\% | -2.6\% | 11.9\% |

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[^0]:    ${ }^{1}$ U.S. Small Business Administration. Advocacy Small Business Statistics and Research. Retrieved from http://web.sba.gov/faqs/faqindex.cfm?areaID=24.
    ${ }^{2}$ R. W. Fairlie. "2011 Kauffman Index of Entrepreneurial Activity: 1996-2011." March, 2012. Retrieved from http://www.kauffman.org/uploadedfiles/kiea 2012 report.pdf.
    ${ }^{3}$ J. Tozzi. Small Business's Shrinking GDP Contribution. Bloomberg BusinessWeek, Feb 16, 2012. Retrieved from http://www.businessweek.com/articles/2012-02-17/small-businesss-shrinking-gdp-contribution. ${ }^{4}$ See Peter Fisher, "Grading Places: What Do the Business Climate Rankings Really Tell Us?" Economic Policy Institute, 2005. See also Kolko et al, "Public Policy, State Business Climates, and Economic Growth". Retrieved from http://www.nber.org/papers/w16968
    ${ }^{5}$ The Tax Foundation's 2012 State Business Tax Climate Index can be found here:
    http://www.taxfoundation.org/news/show/22658.html. The Tax Foundation's mission statement can be found here: http://www.taxfoundation.org/about/

[^1]:    ${ }^{6}$ See Fisher, Peter. "Grading Places: What Do the Business Climate Rankings Really Tell Us?" Economic Policy Institute, 2005.
    ${ }^{7}$ Although the data collection is ongoing, the results used here were gathered between November 8 ${ }^{\text {th }}, 2011$ and January $10^{\text {th }}, 2012$.

[^2]:    ${ }^{8}$ Nine states varied by more than $1 \%$, and only California and Florida varied by more than $1.25 \%$. Their response levels were $2.96 \%$ and $3.72 \%$ higher, respectively.
    ${ }^{9}$ The full state and city rankings can be found in Appendix B, Tables 1 and 2, respectively.
    ${ }^{10}$ These rankings can be found in Appendix B, Tables 3 and 4, respectively.
    ${ }^{11}$ The overall small business friendliness score was determined by combining the scores of three related questions:

[^3]:    ${ }^{12}$ The one trend that we did observe was a higher rate of non-response for four questions: 1 . Health \& safety regulations; 2. Hiring \& labor regulations; 3. Environmental regulations; 4. Zoning regulations. The most likely explanation is that some of the small businesses feel that these factors are only somewhat or not relevant to them, a conclusion that seems to be borne out by the regressions discussed hereafter. ${ }^{13}$ Although we ranked "Ease of Starting a Business," we did not include it as an independent variable in any of the tests in order to avoid the obvious correlation problems that would exist. Furthermore, we made use of some categories in the regressions and we did not rank individually.
    ${ }^{14}$ The full results can be seen in Appendix C.
    ${ }^{15}$ It had a coefficient of 0.4457. See Appendix C, Table 1. As a side note, the training and networking programs categories have binary answers, while the cost of hiring a new employee is measured on a ten-point scale. All others are rated 1-5.

[^4]:    ${ }^{16}$ In fact, there are rankings (such as those produced by the Tax Foundation) that exclusively evaluate a state's tax policies.
    ${ }^{17}$ Friendliness of the tax code and tax-related regulations had a coefficient of 0.2436 , as compared to .04232 for licensing forms/requirements/fees.
    ${ }^{18}$ The coefficients for those factors were -0.3246 and 0.5892 , respectively. See Appendix C, Tables 6 \& 4 .
    ${ }^{19}$ See Appendix C, Tables 2 \& 3.
    ${ }^{20}$ These results can be found in Appendix D.
    ${ }^{21}$ See Appendix D, Table 1.
    ${ }^{22}$ See Appendix D, Table 2.

