

**5a - First 50 Observations from Monthly Jobs Data Set**

| Industry     | State   | month     | year | Jobs  |
|--------------|---------|-----------|------|-------|
| Construction | Alabama | August    | 2015 | 81.1  |
| Construction | Alabama | September | 2015 | 81.2  |
| Construction | Alabama | October   | 2015 | 81.3  |
| Construction | Alabama | November  | 2015 | 81.8  |
| Construction | Alabama | December  | 2015 | 81.9  |
| Construction | Alabama | January   | 2016 | 82.9  |
| Construction | Alabama | February  | 2016 | 81.5  |
| Construction | Alabama | March     | 2016 | 80.9  |
| Construction | Alabama | April     | 2016 | 81.0  |
| Construction | Alabama | May       | 2016 | 79.9  |
| Construction | Alabama | June      | 2016 | 79.3  |
| Construction | Alabama | July      | 2016 | 78.5  |
| Construction | Alabama | August    | 2016 | 77.6  |
| Construction | Alaska  | August    | 2015 | 17.2  |
| Construction | Alaska  | September | 2015 | 16.9  |
| Construction | Alaska  | October   | 2015 | 16.7  |
| Construction | Alaska  | November  | 2015 | 16.7  |
| Construction | Alaska  | December  | 2015 | 16.9  |
| Construction | Alaska  | January   | 2016 | 16.7  |
| Construction | Alaska  | February  | 2016 | 17.2  |
| Construction | Alaska  | March     | 2016 | 17.1  |
| Construction | Alaska  | April     | 2016 | 16.8  |
| Construction | Alaska  | May       | 2016 | 17.2  |
| Construction | Alaska  | June      | 2016 | 17.1  |
| Construction | Alaska  | July      | 2016 | 17.1  |
| Construction | Alaska  | August    | 2016 | 16.4  |
| Construction | Arizona | August    | 2015 | 127.9 |
| Construction | Arizona | September | 2015 | 127.9 |
| Construction | Arizona | October   | 2015 | 127.7 |
| Construction | Arizona | November  | 2015 | 131.1 |
| Construction | Arizona | December  | 2015 | 130.1 |
| Construction | Arizona | January   | 2016 | 131.8 |
| Construction | Arizona | February  | 2016 | 132.5 |
| Construction | Arizona | March     | 2016 | 134.0 |
| Construction | Arizona | April     | 2016 | 133.9 |
| Construction | Arizona | May       | 2016 | 134.6 |
| Construction | Arizona | June      | 2016 | 137.5 |

**5a - First 50 Observations from Monthly Jobs Data Set**

| Industry     | State    | month     | year | Jobs  |
|--------------|----------|-----------|------|-------|
| Construction | Arizona  | July      | 2016 | 138.4 |
| Construction | Arizona  | August    | 2016 | 135.9 |
| Construction | Arkansas | August    | 2015 | 50.0  |
| Construction | Arkansas | September | 2015 | 50.7  |
| Construction | Arkansas | October   | 2015 | 50.3  |
| Construction | Arkansas | November  | 2015 | 49.7  |
| Construction | Arkansas | December  | 2015 | 50.2  |
| Construction | Arkansas | January   | 2016 | 49.2  |
| Construction | Arkansas | February  | 2016 | 50.1  |
| Construction | Arkansas | March     | 2016 | 48.5  |
| Construction | Arkansas | April     | 2016 | 48.9  |
| Construction | Arkansas | May       | 2016 | 48.5  |
| Construction | Arkansas | June      | 2016 | 48.7  |

**5b - Last 50 Observations from Monthly Jobs Data Set**

| Industry   | State       | month     | year | Jobs  |
|------------|-------------|-----------|------|-------|
| Government | Wisconsin   | October   | 2015 | 412.2 |
| Government | Wisconsin   | November  | 2015 | 410.7 |
| Government | Wisconsin   | December  | 2015 | 412.9 |
| Government | Wisconsin   | January   | 2016 | 414.3 |
| Government | Wisconsin   | February  | 2016 | 415.4 |
| Government | Wisconsin   | March     | 2016 | 414.0 |
| Government | Wisconsin   | April     | 2016 | 415.1 |
| Government | Wisconsin   | May       | 2016 | 413.0 |
| Government | Wisconsin   | June      | 2016 | 406.3 |
| Government | Wisconsin   | July      | 2016 | 411.9 |
| Government | Wisconsin   | August    | 2016 | 415.2 |
| Government | Wyoming     | August    | 2015 | 71.5  |
| Government | Wyoming     | September | 2015 | 71.7  |
| Government | Wyoming     | October   | 2015 | 71.7  |
| Government | Wyoming     | November  | 2015 | 71.9  |
| Government | Wyoming     | December  | 2015 | 71.9  |
| Government | Wyoming     | January   | 2016 | 71.6  |
| Government | Wyoming     | February  | 2016 | 72.0  |
| Government | Wyoming     | March     | 2016 | 71.9  |
| Government | Wyoming     | April     | 2016 | 72.0  |
| Government | Wyoming     | May       | 2016 | 72.0  |
| Government | Wyoming     | June      | 2016 | 71.9  |
| Government | Wyoming     | July      | 2016 | 71.4  |
| Government | Wyoming     | August    | 2016 | 71.3  |
| Government | Puerto Rico | August    | 2015 | 232.1 |
| Government | Puerto Rico | September | 2015 | 231.4 |
| Government | Puerto Rico | October   | 2015 | 229.9 |
| Government | Puerto Rico | November  | 2015 | 229.1 |
| Government | Puerto Rico | December  | 2015 | 229.6 |
| Government | Puerto Rico | January   | 2016 | 228.8 |
| Government | Puerto Rico | February  | 2016 | 229.3 |
| Government | Puerto Rico | March     | 2016 | 229.5 |
| Government | Puerto Rico | April     | 2016 | 229.5 |
| Government | Puerto Rico | May       | 2016 | 228.9 |
| Government | Puerto Rico | June      | 2016 | 227.3 |
| Government | Puerto Rico | July      | 2016 | 228.6 |
| Government | Puerto Rico | August    | 2016 | 228.2 |

**5b - Last 50 Observations from Monthly Jobs Data Set**

| Industry   | State          | month     | year | Jobs |
|------------|----------------|-----------|------|------|
| Government | Virgin Islands | August    | 2015 | 10.6 |
| Government | Virgin Islands | September | 2015 | 10.8 |
| Government | Virgin Islands | October   | 2015 | 10.8 |
| Government | Virgin Islands | November  | 2015 | 10.8 |
| Government | Virgin Islands | December  | 2015 | 10.8 |
| Government | Virgin Islands | January   | 2016 | 10.8 |
| Government | Virgin Islands | February  | 2016 | 10.8 |
| Government | Virgin Islands | March     | 2016 | 10.8 |
| Government | Virgin Islands | April     | 2016 | 10.9 |
| Government | Virgin Islands | May       | 2016 | 11.0 |
| Government | Virgin Islands | June      | 2016 | 10.9 |
| Government | Virgin Islands | July      | 2016 | 10.9 |
| Government | Virgin Islands | August    | 2016 | 10.8 |

| Obs | Industry      | State                   | Average Jobs |
|-----|---------------|-------------------------|--------------|
| 1   | CONSTRUCTION  | Alabama                 | 80.7         |
| 2   | CONSTRUCTION  | Alaska                  | 16.9         |
| 3   | CONSTRUCTION  | Arkansas                | 49.5         |
| 4   | CONSTRUCTION  | Connecticut             | 57.7         |
| 5   | CONSTRUCTION  | Delaware(6)             | 21.3         |
| 6   | CONSTRUCTION  | District of Columbia(6) | 14.4         |
| 7   | CONSTRUCTION  | Hawaii(6)               | 38.5         |
| 8   | CONSTRUCTION  | Idaho                   | 40.0         |
| 9   | CONSTRUCTION  | Iowa                    | 84.5         |
| 10  | CONSTRUCTION  | Kansas                  | 58.7         |
| 11  | CONSTRUCTION  | Kentucky                | 76.0         |
| 12  | CONSTRUCTION  | Maine                   | 26.2         |
| 13  | CONSTRUCTION  | Mississippi             | 46.8         |
| 14  | CONSTRUCTION  | Montana                 | 26.4         |
| 15  | CONSTRUCTION  | Nebraska(6)             | 50.3         |
| 16  | CONSTRUCTION  | Nevada                  | 73.6         |
| 17  | CONSTRUCTION  | New Hampshire           | 25.2         |
| 18  | CONSTRUCTION  | New Mexico              | 43.8         |
| 19  | CONSTRUCTION  | North Dakota            | 32.0         |
| 20  | CONSTRUCTION  | Oklahoma                | 80.8         |
| 21  | CONSTRUCTION  | Oregon                  | 85.7         |
| 22  | CONSTRUCTION  | Rhode Island            | 17.7         |
| 23  | CONSTRUCTION  | South Carolina          | 90.5         |
| 24  | CONSTRUCTION  | South Dakota(6)         | 23.7         |
| 25  | CONSTRUCTION  | Utah                    | 87.7         |
| 26  | CONSTRUCTION  | Vermont                 | 15.7         |
| 27  | CONSTRUCTION  | West Virginia           | 31.6         |
| 28  | CONSTRUCTION  | Wyoming                 | 22.2         |
| 29  | CONSTRUCTION  | Puerto Rico(6)          | 23.2         |
| 30  | MANUFACTURING | Alaska                  | 14.1         |

| Obs | Industry      | State          | Average Jobs |
|-----|---------------|----------------|--------------|
| 1   | CONSTRUCTION  | Arizona        | 132.6        |
| 2   | CONSTRUCTION  | California     | 751.9        |
| 3   | CONSTRUCTION  | Colorado       | 156.6        |
| 4   | CONSTRUCTION  | Florida        | 445.7        |
| 5   | CONSTRUCTION  | Georgia        | 173.9        |
| 6   | CONSTRUCTION  | Illinois       | 216.0        |
| 7   | CONSTRUCTION  | Indiana        | 130.2        |
| 8   | CONSTRUCTION  | Louisiana      | 143.3        |
| 9   | CONSTRUCTION  | Maryland(6)    | 160.2        |
| 10  | CONSTRUCTION  | Massachusetts  | 146.1        |
| 11  | CONSTRUCTION  | Michigan       | 150.8        |
| 12  | CONSTRUCTION  | Minnesota      | 118.6        |
| 13  | CONSTRUCTION  | Missouri       | 116.6        |
| 14  | CONSTRUCTION  | New Jersey     | 151.1        |
| 15  | CONSTRUCTION  | New York       | 367.4        |
| 16  | CONSTRUCTION  | North Carolina | 194.5        |
| 17  | CONSTRUCTION  | Ohio           | 205.8        |
| 18  | CONSTRUCTION  | Pennsylvania   | 234.1        |
| 19  | CONSTRUCTION  | Tennessee(6)   | 122.0        |
| 20  | CONSTRUCTION  | Texas          | 690.4        |
| 21  | CONSTRUCTION  | Virginia       | 185.3        |
| 22  | CONSTRUCTION  | Washington     | 179.7        |
| 23  | CONSTRUCTION  | Wisconsin      | 113.3        |
| 24  | MANUFACTURING | Arizona        | 159.4        |
| 25  | MANUFACTURING | Arkansas       | 154.1        |
| 26  | MANUFACTURING | Colorado       | 143.3        |
| 27  | MANUFACTURING | Connecticut    | 159.4        |
| 28  | MANUFACTURING | Florida        | 349.6        |
| 29  | MANUFACTURING | Georgia        | 384.6        |
| 30  | MANUFACTURING | Illinois       | 576.0        |

| Obs | Industry                             | State        | Average Jobs |
|-----|--------------------------------------|--------------|--------------|
| 1   | MANUFACTURING                        | California   | 1289.0       |
| 2   | TRADE, TRANSPORTATION, AND UTILITIES | California   | 2979.4       |
| 3   | TRADE, TRANSPORTATION, AND UTILITIES | Florida      | 1705.8       |
| 4   | TRADE, TRANSPORTATION, AND UTILITIES | Illinois     | 1206.6       |
| 5   | TRADE, TRANSPORTATION, AND UTILITIES | New York     | 1576.3       |
| 6   | TRADE, TRANSPORTATION, AND UTILITIES | Ohio         | 1020.8       |
| 7   | TRADE, TRANSPORTATION, AND UTILITIES | Pennsylvania | 1131.0       |
| 8   | TRADE, TRANSPORTATION, AND UTILITIES | Texas        | 2422.1       |
| 9   | PROFESSIONAL AND BUSINESS SERVICES   | California   | 2546.4       |
| 10  | PROFESSIONAL AND BUSINESS SERVICES   | Florida      | 1255.8       |
| 11  | PROFESSIONAL AND BUSINESS SERVICES   | New York     | 1274.1       |
| 12  | PROFESSIONAL AND BUSINESS SERVICES   | Texas        | 1609.0       |
| 13  | EDUCATION AND HEALTH SERVICES        | California   | 2517.5       |
| 14  | EDUCATION AND HEALTH SERVICES        | Florida      | 1227.2       |
| 15  | EDUCATION AND HEALTH SERVICES        | New York     | 1914.8       |
| 16  | EDUCATION AND HEALTH SERVICES        | Pennsylvania | 1206.7       |
| 17  | EDUCATION AND HEALTH SERVICES        | Texas        | 1621.6       |
| 18  | LEISURE AND HOSPITALITY              | California   | 1873.2       |
| 19  | LEISURE AND HOSPITALITY              | Florida      | 1158.7       |
| 20  | LEISURE AND HOSPITALITY              | Texas        | 1280.4       |
| 21  | GOVERNMENT                           | California   | 2491.6       |
| 22  | GOVERNMENT                           | Florida      | 1089.4       |
| 23  | GOVERNMENT                           | New York     | 1442.6       |
| 24  | GOVERNMENT                           | Texas        | 1876.5       |

| Industry      | State          | Average Jobs | Market Size |
|---------------|----------------|--------------|-------------|
| MANUFACTURING | Mississippi    | 143.5        | Med.        |
| MANUFACTURING | Missouri       | 259.8        | Med.        |
| MANUFACTURING | Montana        | 19.5         | Small       |
| MANUFACTURING | Nebraska       | 97.4         | Small       |
| MANUFACTURING | Nevada         | 42.4         | Small       |
| MANUFACTURING | New Hampshire  | 66.4         | Small       |
| MANUFACTURING | New Jersey     | 239.2        | Med.        |
| MANUFACTURING | New Mexico     | 27.0         | Small       |
| MANUFACTURING | New York       | 453.9        | Med.        |
| MANUFACTURING | North Carolina | 459.8        | Med.        |
| MANUFACTURING | North Dakota   | 24.7         | Small       |
| MANUFACTURING | Ohio           | 687.9        | Med.        |
| MANUFACTURING | Oklahoma       | 130.1        | Med.        |
| MANUFACTURING | Oregon         | 186.7        | Med.        |
| MANUFACTURING | Pennsylvania   | 566.6        | Med.        |
| MANUFACTURING | Rhode Island   | 41.7         | Small       |
| MANUFACTURING | South Carolina | 237.8        | Med.        |
| MANUFACTURING | South Dakota   | 41.9         | Small       |
| MANUFACTURING | Tennessee      | 339.3        | Med.        |
| MANUFACTURING | Texas          | 856.5        | Med.        |
| MANUFACTURING | Utah           | 125.4        | Med.        |
| MANUFACTURING | Vermont        | 30.5         | Small       |
| MANUFACTURING | Virginia       | 231.5        | Med.        |
| MANUFACTURING | Washington     | 288.7        | Med.        |
| MANUFACTURING | West Virginia  | 47.3         | Small       |
| MANUFACTURING | Wisconsin      | 470.7        | Med.        |
| MANUFACTURING | Wyoming        | 9.7          | Small       |
| MANUFACTURING | Puerto Rico    | 72.8         | Small       |



| Obs | Industry                             | State                | Average Jobs | Market Size |
|-----|--------------------------------------|----------------------|--------------|-------------|
| 2   | TRADE, TRANSPORTATION, AND UTILITIES | Alaska               | 67.0         | Small       |
| 8   | TRADE, TRANSPORTATION, AND UTILITIES | Delaware             | 82.1         | Small       |
| 9   | TRADE, TRANSPORTATION, AND UTILITIES | District of Columbia | 33.4         | Small       |
| 27  | TRADE, TRANSPORTATION, AND UTILITIES | Montana              | 94.9         | Small       |
| 35  | TRADE, TRANSPORTATION, AND UTILITIES | North Dakota         | 99.4         | Small       |
| 40  | TRADE, TRANSPORTATION, AND UTILITIES | Rhode Island         | 76.0         | Small       |
| 42  | TRADE, TRANSPORTATION, AND UTILITIES | South Dakota         | 89.4         | Small       |
| 46  | TRADE, TRANSPORTATION, AND UTILITIES | Vermont              | 55.7         | Small       |
| 51  | TRADE, TRANSPORTATION, AND UTILITIES | Wyoming              | 54.8         | Small       |
| 53  | TRADE, TRANSPORTATION, AND UTILITIES | Virgin Islands       | 8.1          | Small       |
| 54  | FINANCIAL ACTIVITIES                 | Alabama              | 97.2         | Small       |
| 55  | FINANCIAL ACTIVITIES                 | Alaska               | 12.3         | Small       |
| 57  | FINANCIAL ACTIVITIES                 | Arkansas             | 49.5         | Small       |
| 61  | FINANCIAL ACTIVITIES                 | Delaware             | 47.0         | Small       |
| 62  | FINANCIAL ACTIVITIES                 | District of Columbia | 30.5         | Small       |
| 65  | FINANCIAL ACTIVITIES                 | Hawaii               | 28.3         | Small       |
| 66  | FINANCIAL ACTIVITIES                 | Idaho                | 33.9         | Small       |
| 70  | FINANCIAL ACTIVITIES                 | Kansas               | 80.1         | Small       |
| 71  | FINANCIAL ACTIVITIES                 | Kentucky             | 94.3         | Small       |
| 72  | FINANCIAL ACTIVITIES                 | Louisiana            | 90.1         | Small       |
| 73  | FINANCIAL ACTIVITIES                 | Maine                | 31.0         | Small       |
| 78  | FINANCIAL ACTIVITIES                 | Mississippi          | 43.0         | Small       |
| 80  | FINANCIAL ACTIVITIES                 | Montana              | 24.0         | Small       |
| 81  | FINANCIAL ACTIVITIES                 | Nebraska             | 72.3         | Small       |
| 82  | FINANCIAL ACTIVITIES                 | Nevada               | 60.1         | Small       |
| 83  | FINANCIAL ACTIVITIES                 | New Hampshire        | 36.5         | Small       |
| 85  | FINANCIAL ACTIVITIES                 | New Mexico           | 33.1         | Small       |
| 88  | FINANCIAL ACTIVITIES                 | North Dakota         | 23.8         | Small       |
| 90  | FINANCIAL ACTIVITIES                 | Oklahoma             | 80.4         | Small       |
| 91  | FINANCIAL ACTIVITIES                 | Oregon               | 97.1         | Small       |

| Obs | State                | Average Jobs | Market Size |
|-----|----------------------|--------------|-------------|
| 1   | Alabama              | 376.3        | Med.        |
| 2   | Alaska               | 82.1         | Small       |
| 3   | Arizona              | 406.4        | Med.        |
| 4   | Arkansas             | 213.3        | Med.        |
| 5   | California           | 2491.6       | Large       |
| 6   | Colorado             | 422.8        | Med.        |
| 7   | Connecticut          | 238.6        | Med.        |
| 8   | Delaware             | 65.3         | Small       |
| 9   | District of Columbia | 240.3        | Med.        |
| 10  | Florida              | 1089.4       | Large       |
| 11  | Georgia              | 683.6        | Med.        |
| 12  | Hawaii               | 126.3        | Med.        |
| 13  | Idaho                | 121.2        | Med.        |
| 14  | Illinois             | 830.3        | Med.        |
| 15  | Indiana              | 426.8        | Med.        |
| 16  | Iowa                 | 256.1        | Med.        |
| 17  | Kansas               | 255.7        | Med.        |
| 18  | Kentucky             | 315.7        | Med.        |
| 19  | Louisiana            | 325.3        | Med.        |
| 20  | Maine                | 99.0         | Small       |
| 21  | Maryland             | 502.9        | Med.        |
| 22  | Massachusetts        | 453.0        | Med.        |
| 23  | Michigan             | 597.4        | Med.        |
| 24  | Minnesota            | 421.5        | Med.        |
| 25  | Mississippi          | 246.0        | Med.        |
| 26  | Missouri             | 432.5        | Med.        |
| 27  | Montana              | 90.3         | Small       |
| 28  | Nebraska             | 171.7        | Med.        |
| 29  | Nevada               | 156.6        | Med.        |
| 30  | New Hampshire        | 89.3         | Small       |
| 31  | New Jersey           | 614.7        | Med.        |
| 32  | New Mexico           | 190.5        | Med.        |
| 33  | New York             | 1442.6       | Large       |
| 34  | North Carolina       | 723.6        | Med.        |
| 35  | North Dakota         | 83.0         | Small       |
| 36  | Ohio                 | 772.7        | Med.        |
| 37  | Oklahoma             | 352.7        | Med.        |

| Obs | State          | Average Jobs | Market Size |
|-----|----------------|--------------|-------------|
| 38  | Oregon         | 304.9        | Med.        |
| 39  | Pennsylvania   | 707.2        | Med.        |
| 40  | Rhode Island   | 60.3         | Small       |
| 41  | South Carolina | 363.4        | Med.        |
| 42  | South Dakota   | 78.2         | Small       |
| 43  | Tennessee      | 424.2        | Med.        |
| 44  | Texas          | 1876.5       | Large       |
| 45  | Utah           | 236.2        | Med.        |
| 46  | Vermont        | 56.4         | Small       |
| 47  | Virginia       | 712.6        | Med.        |
| 48  | Washington     | 569.2        | Med.        |
| 49  | West Virginia  | 153.0        | Med.        |
| 50  | Wisconsin      | 412.1        | Med.        |
| 51  | Wyoming        | 71.8         | Small       |
| 52  | Puerto Rico    | 229.4        | Med.        |
| 53  | Virgin Islands | 10.8         | Small       |

| Library Name | Member Name  | Date Created     | Number of Physical Observations | Number of Variables |
|--------------|--------------|------------------|---------------------------------|---------------------|
| WORK         | GOODS        | 25OCT16:19:01:44 | 102                             | 4                   |
| WORK         | GOVERNMENT   | 25OCT16:19:01:44 | 53                              | 3                   |
| WORK         | LARGE        | 25OCT16:19:01:44 | 24                              | 3                   |
| WORK         | MEDIUM       | 25OCT16:19:01:44 | 259                             | 3                   |
| WORK         | MONTHLY_JOBS | 25OCT16:19:01:44 | 5512                            | 5                   |
| WORK         | SERVICES     | 25OCT16:19:01:44 | 262                             | 4                   |
| WORK         | SMALL        | 25OCT16:19:01:44 | 134                             | 3                   |