2020 Texas Employment Data Revision Highlights

Ali Anari
Research Economist

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As more accurate time series of employment data become available, the U.S. Bureau of Labor Statistics and the Texas Workforce Commission revise previously published time series of employment for U.S. and Texas. This improves the accuracy and quality of job datasets. These revisions can significantly affect the trajectories of levels and job growth rates in U.S. and Texas industries, as well as in Texas Metropolitan Statistical Areas (MSAs), so it’s important to review and monitor the times series of employment data before and after the revisions.

The Real Estate Center’s analysis shows pre-2018 employment data series have not changed significantly. Consequently, this article compares 2018-19 employment growth rate data from before and after the latest revisions.

Impact on Texas Total Nonfarm Jobs
The growth rate of Texas nonagricultural employment from January 2018 to December 2019 was revised down from 5 percent to 4.7 percent (Table 1, Panel A). The growth rate of total nonagricultural jobs was revised up from March 2018 to March 2019 and revised down for the rest of 2019 (Figure 1.1). Texas private employment from January 2018 to December 2019 was revised down from 5.7 to 5.3 percent. Total nongovernment jobs were revised up from March 2018 to April 2019 and revised down from April to December 2019 (Figure 1.2).

Impact on Texas Industries
Annual employment growth rates for three Texas industries and the state’s government sector were revised upward (Table 1, Panel B1). The state’s information industry had the largest upward revision followed by transportation, warehousing, and utilities; professional and business services; and the government sector.

Job growth rates in eight Texas industries were revised down (Table 1, Panel B2). Mining and logging had the largest downward revision followed by construction, other services industries, trade, manufacturing, financial activities, education and health services, and leisure and hospitality. See Figures 1.3-1.14 for 2018-19 employment growth rates by Texas industry.

Impact on Texas Metros
Job growth rates were revised upward in 14 MSAs (Table 2, Panel A1). Abilene had the largest upward revision followed by Longview, Midland, Austin-Round Rock, Brownsville-Harlingen, Laredo, Fort Worth-Arlington, Texarkana, Waco, El Paso, Amarillo, College Station-Bryan, Wichita Falls, and Odessa. Twelve MSAs had downward revisions (Table 2, Panel B2). San

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Table 1. Revised, Previous Growth Rates by Texas Industry
January 2018 - December 2019

<table>
<thead>
<tr>
<th></th>
<th>Post-revision</th>
<th>Pre-revision</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Total Jobs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Nonfarm Employment</td>
<td>4.7%</td>
<td>5.0%</td>
<td>-0.3%</td>
</tr>
<tr>
<td>Private Nonfarm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>B. Industry</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1. Revised Up</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information</td>
<td>2.4%</td>
<td>-1.0%</td>
<td>3.4%</td>
</tr>
<tr>
<td>Transportation, warehousing, utilities</td>
<td>8.6%</td>
<td>7.5%</td>
<td>1.1%</td>
</tr>
<tr>
<td>Professional and business services</td>
<td>6.7%</td>
<td>5.7%</td>
<td>1.0%</td>
</tr>
<tr>
<td>Government</td>
<td>2.0%</td>
<td>1.4%</td>
<td>0.6%</td>
</tr>
<tr>
<td>B2. Revised Down</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leisure and hospitality</td>
<td>5.4%</td>
<td>5.8%</td>
<td>-0.3%</td>
</tr>
<tr>
<td>Education and health services</td>
<td>5.2%</td>
<td>5.6%</td>
<td>-0.4%</td>
</tr>
<tr>
<td>Financial activities</td>
<td>5.5%</td>
<td>6.3%</td>
<td>-0.8%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>5.2%</td>
<td>6.1%</td>
<td>-0.9%</td>
</tr>
<tr>
<td>Trade</td>
<td>1.8%</td>
<td>2.8%</td>
<td>-1.0%</td>
</tr>
<tr>
<td>Other services</td>
<td>5.6%</td>
<td>7.0%</td>
<td>-1.4%</td>
</tr>
<tr>
<td>Construction</td>
<td>9.7%</td>
<td>11.8%</td>
<td>-2.1%</td>
</tr>
<tr>
<td>Mining and logging</td>
<td>1.6%</td>
<td>5.7%</td>
<td>-4.1%</td>
</tr>
</tbody>
</table>

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University
Table 2. Revised, Previous Employment Growth Rates for Texas MSAs
January 2018 - December 2019

<table>
<thead>
<tr>
<th></th>
<th>Post-revision</th>
<th>Pre-revision</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Revised Up</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Abilene</td>
<td>5.3%</td>
<td>1.9%</td>
<td>3.5%</td>
</tr>
<tr>
<td>Longview</td>
<td>3.2%</td>
<td>-0.1%</td>
<td>3.3%</td>
</tr>
<tr>
<td>Midland</td>
<td>12.6%</td>
<td>9.3%</td>
<td>3.3%</td>
</tr>
<tr>
<td>Austin-Round Rock</td>
<td>7.6%</td>
<td>5.7%</td>
<td>1.9%</td>
</tr>
<tr>
<td>Brownsville-Harlingen</td>
<td>2.6%</td>
<td>0.9%</td>
<td>1.7%</td>
</tr>
<tr>
<td>Laredo</td>
<td>3.7%</td>
<td>2.1%</td>
<td>1.6%</td>
</tr>
<tr>
<td>Fort Worth-Arlington</td>
<td>5.3%</td>
<td>4.1%</td>
<td>1.2%</td>
</tr>
<tr>
<td>Texarkana</td>
<td>2.7%</td>
<td>1.7%</td>
<td>1.0%</td>
</tr>
<tr>
<td>Waco</td>
<td>3.7%</td>
<td>2.9%</td>
<td>0.8%</td>
</tr>
<tr>
<td>El Paso</td>
<td>3.6%</td>
<td>2.9%</td>
<td>0.8%</td>
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<tr>
<td>Amarillo</td>
<td>1.8%</td>
<td>1.3%</td>
<td>0.6%</td>
</tr>
<tr>
<td>College Station-Bryan</td>
<td>5.5%</td>
<td>5.0%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Wichita Falls</td>
<td>1.2%</td>
<td>0.7%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Odessa</td>
<td>7.4%</td>
<td>7.0%</td>
<td>0.4%</td>
</tr>
<tr>
<td><strong>B. Revised Down</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>McAllen-Edinburg-Mission</td>
<td>4.7%</td>
<td>4.8%</td>
<td>-0.1%</td>
</tr>
<tr>
<td>Lubbock</td>
<td>2.5%</td>
<td>2.8%</td>
<td>-0.3%</td>
</tr>
<tr>
<td>San Antonio</td>
<td>4.4%</td>
<td>4.9%</td>
<td>-0.5%</td>
</tr>
<tr>
<td>Houston-The Woodlands-Sugar Land</td>
<td>4.8%</td>
<td>5.3%</td>
<td>-0.6%</td>
</tr>
<tr>
<td>Victoria</td>
<td>0.0%</td>
<td>0.7%</td>
<td>-0.7%</td>
</tr>
<tr>
<td>Tyler</td>
<td>2.2%</td>
<td>3.0%</td>
<td>-0.8%</td>
</tr>
<tr>
<td>Killeen-Temple</td>
<td>2.7%</td>
<td>3.5%</td>
<td>-0.8%</td>
</tr>
<tr>
<td>Dallas-Plano-Irving</td>
<td>5.9%</td>
<td>6.7%</td>
<td>-0.9%</td>
</tr>
<tr>
<td>Corpus Christi</td>
<td>1.0%</td>
<td>2.0%</td>
<td>-1.0%</td>
</tr>
<tr>
<td>Sherman-Denison</td>
<td>2.7%</td>
<td>3.8%</td>
<td>-1.1%</td>
</tr>
<tr>
<td>Beaumont-Port Arthur</td>
<td>1.1%</td>
<td>2.5%</td>
<td>-1.4%</td>
</tr>
<tr>
<td>San Angelo</td>
<td>0.2%</td>
<td>1.6%</td>
<td>-1.4%</td>
</tr>
</tbody>
</table>

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University
Figure 1.1
Texas Nonfarm Employment
Annual Employment Growth Rates, 2018-2019

Figure 1.2
Texas Private Employment
Annual Employment Growth Rates, 2018-2019

Figure 1.3
Texas Information Industry
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University
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Texas Transportation, Warehousing, and Utilities Industry
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

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Texas Professional and Business Services Industry
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

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Texas Government Sector
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University
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Texas Leisure and Hospitality Industry
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Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

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Texas Education and Health Services Industry
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Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

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Texas Financial Activities Industry
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Texas Manufacturing Industry
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

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Texas Trade Industry
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

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Texas Other Services
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University
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Texas Construction Industry
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

Figure 1.14
Texas Mining and Logging Industry
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

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Abilene Metro Area
Annual Employment Growth Rates, 2018-2019

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Longview Metro Area
Annual Employment Growth Rates, 2018-2019

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Midland Metro Area
Annual Employment Growth Rates, 2018-2019

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Austin-Round Rock Metro Area
Annual Employment Growth Rates, 2018-2019

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Brownsville-Harlingen Metro Area
Annual Employment Growth Rates, 2018-2019

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Figure 2.6
Laredo Metro Area
Annual Employment Growth Rates, 2018-2019

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Figure 2.7
Fort Worth-Arlington Metro Area
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University
Figure 2.8  
**Texarkana Metro Area**  
*Annual Employment Growth Rates, 2018-2019*  

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Figure 2.9  
**Waco Metro Area**  
*Annual Employment Growth Rates, 2018-2019*  

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Figure 2.10  
**El Paso Metro Area**  
*Annual Employment Growth Rates, 2018-2019*  

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Amarillo Metro Area
Annual Employment Growth Rates, 2018-2019

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College Station-Bryan Metro Area
Annual Employment Growth Rates, 2018-2019

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Wichita Falls Metro Area
Annual Employment Growth Rates, 2018-2019

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Annual Employment Growth Rates, 2018-2019

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Annual Employment Growth Rates, 2018-2019

Figure 2.16
Lubbock Metro Area
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Figure 2.17
San Antonio-New Braunfels Metro Area
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

Figure 2.18
Houston-The Woodlands-Sugar Land Metro Area
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

Figure 2.19
Victoria Metro Area
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University
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Tyler Metro Area
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University

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Killeen-Temple Metro Area
Annual Employment Growth Rates, 2018-2019

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Dallas-Plano-Irving Metro Area
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Figure 2.25
Beaumont-Port Arthur Metro Area
Annual Employment Growth Rates, 2018-2019

Sources: Texas Workforce Commission and Real Estate Center at Texas A&M University
Figure 2.26
San Angelo Metro Area
Annual Employment Growth Rates, 2018-2019

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