



# THE CONNECTION

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Economic Development and Our Community

*Women in STEM  
Occupations in DFW,  
2015-2019  
Employment and Earnings*

Published March 10, 2021

While women have made large gains in STEM fields in recent years, there is still room for improvement in reaching equal pay and equal representation in the workforce.

While women constitute about **42%** of the **total** full-time, year-round Dallas-Fort Worth workforce, they hold only **23% of STEM jobs** in DFW. This percentage is smaller in the higher-paying STEM fields (Computer & Mathematical and Architecture & Engineering occupations) and larger in lower-paying STEM fields (Life, Physical, & Social Science occupations). Women's employment shares at the national level are quite similar to those in DFW (*slide 3*).

The disparity in median wages is also concerning. The median wage for women across all occupations in DFW is **83%** that of men, which is slightly better than the national **81%**. This difference translates to large pay differences. The average man in a STEM occupation in DFW earns **\$91,566 per year – \$15,175 more** than the average woman in STEM (*slide 4*). Charts (*slides 5 through 9*), as well as interactive versions available [online](#) demonstrate the widespread scale of this problem.

UT Dallas is taking steps to support women in STEM. From [hosting](#) panels on women in engineering to establishing women's [mentoring](#) organizations to encouraging student alumni [groups](#), it is destined to play a leadership role in the evolution of women in STEM in DFW.



# Employment

## Dallas - Fort Worth

Occupation	Men	Women	Women as % of Workforce
<b>Total (STEM + Non-STEM occupations)</b>	<b>1,603,951</b>	<b>1,168,348</b>	<b>42%</b>
<b>STEM occupations (excluding education)</b>	<b>168,128</b>	<b>49,671</b>	<b>23%</b>
<b>Computer and mathematical</b>	104,393	33,428	24%
<b>Architecture and engineering</b>	55,377	8,992	14%
<b>Life, physical, and social sciences</b>	8,358	7,251	46%

## United States

Occupation	Men	Women	Women as % of Workforce
<b>Total (STEM + Non-STEM occupations)</b>	<b>62,214,361</b>	<b>47,046,509</b>	<b>43%</b>
<b>STEM occupations (excluding education)</b>	<b>5,978,180</b>	<b>1,929,634</b>	<b>24%</b>
<b>Computer and mathematical</b>	3,136,341	1,051,960	25%
<b>Architecture and engineering</b>	2,201,576	373,994	15%
<b>Life, physical, and social sciences</b>	640,263	503,680	44%

The full-time, year-round civilian employed population 16 years and over.

Source: U.S. Census Bureau, American Communities Survey, 2015-2019 averages.



# Earnings

## Dallas - Fort Worth

Occupation	Men	Women	Women's Earnings as % of Men's Earnings
<b>Total (STEM + Non-STEM occupations)</b>	<b>\$53,942</b>	<b>\$44,901</b>	<b>83%</b>
<b>STEM occupations (excluding education)</b>	<b>\$91,566</b>	<b>\$76,391</b>	<b>83%</b>
<b>Computer and mathematical</b>	\$93,953	\$77,620	83%
<b>Architecture and engineering</b>	\$90,261	\$80,616	89%
<b>Life, physical, and social sciences</b>	\$67,026	\$61,250	91%

## United States

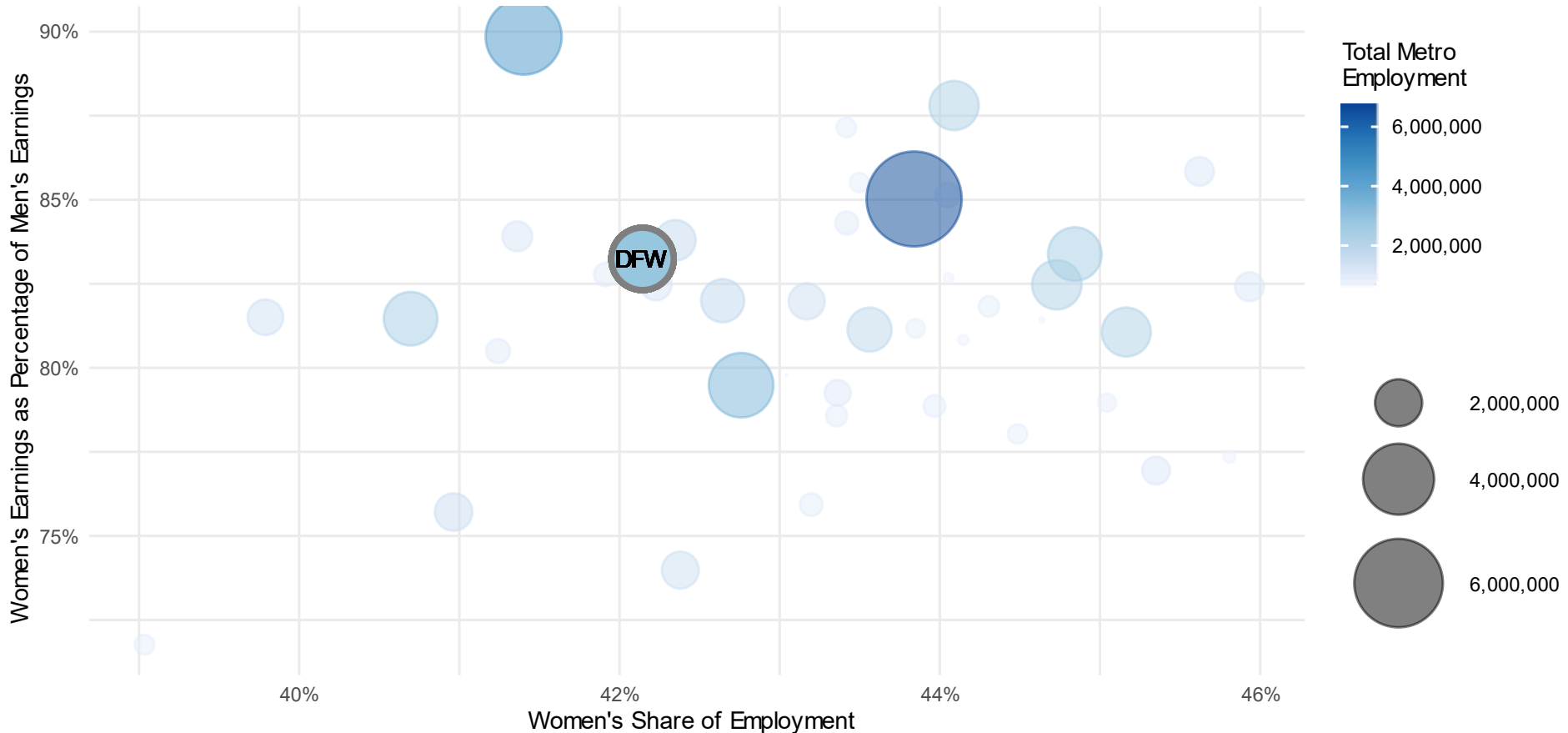
Occupation	Men	Women	Women's Earnings as % of Men's Earnings
<b>Total (STEM + Non-STEM occupations)</b>	<b>\$53,506</b>	<b>\$43,116</b>	<b>81%</b>
<b>STEM occupations (excluding education)</b>	<b>\$87,334</b>	<b>\$73,660</b>	<b>84%</b>
<b>Computer and mathematical</b>	\$90,408	\$76,836	85%
<b>Architecture and engineering</b>	\$87,187	\$75,859	87%
<b>Life, physical, and social sciences</b>	\$74,540	\$64,327	86%

Median earnings (in 2019 inflation-adjusted dollars) for the full-time, year-round civilian employed population 16 years and over.

Source: U.S. Census Bureau, American Communities Survey, 2015-2019 averages.

# Women's Employment and Earnings: DFW vs. Other Metros

All (STEM and Non-STEM) Occupations



For more detail, visit the [interactive chart](#) on our website.

The full-time, year-round civilian employed population 16 years and over.

Median earnings (in 2019 inflation-adjusted dollars) for the full-time, year-round civilian employed population 16 years and over.

Source: U.S. Census Bureau, American Communities Survey, 2015-2019 averages.

# Women's Employment and Earnings: DFW vs. Other Metros

## All STEM Occupations



For more detail, visit the [interactive chart](#) on our website.

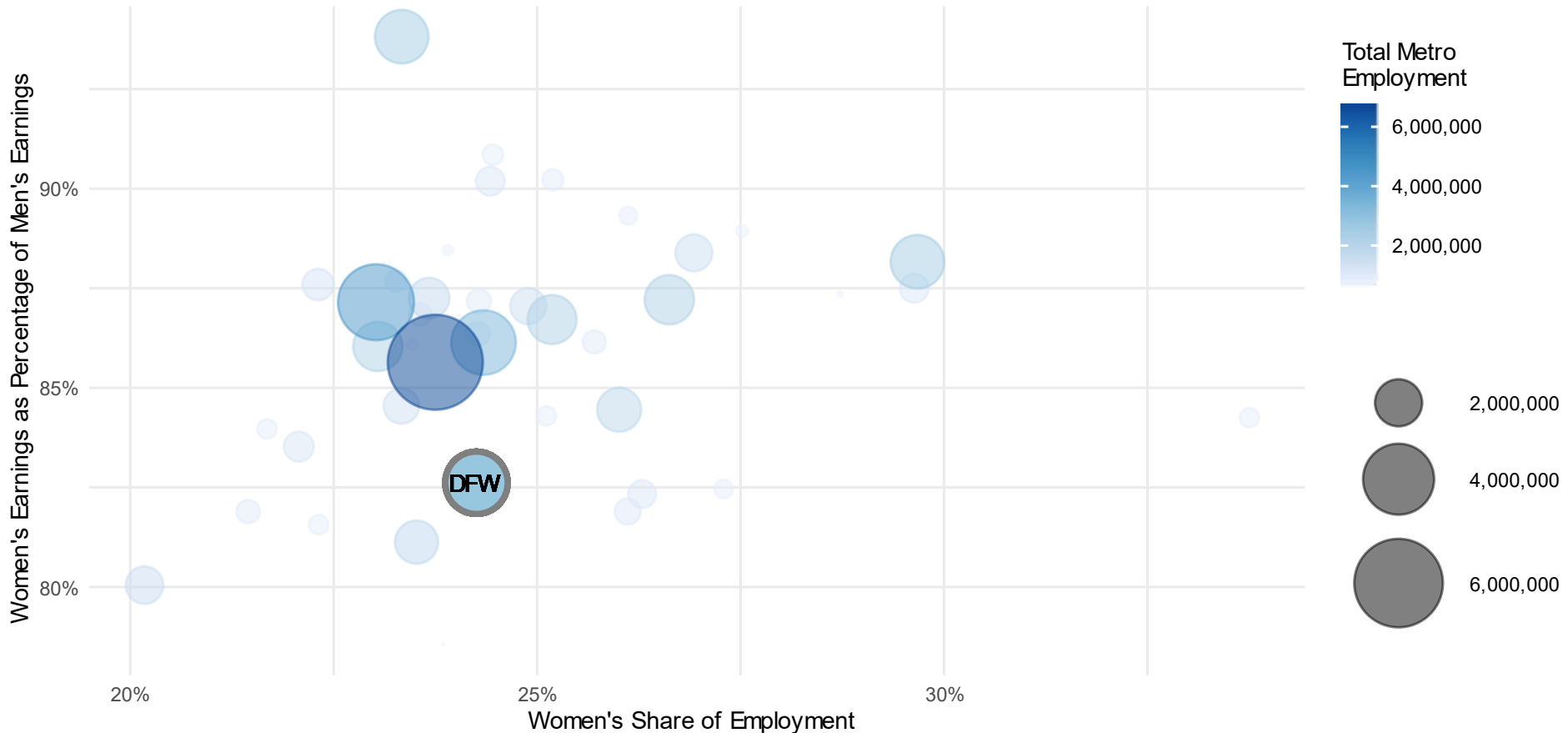
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# Women's Employment and Earnings: DFW vs. Other Metros

## Computer and Mathematical



For more detail, visit the [interactive chart](#) on our website.

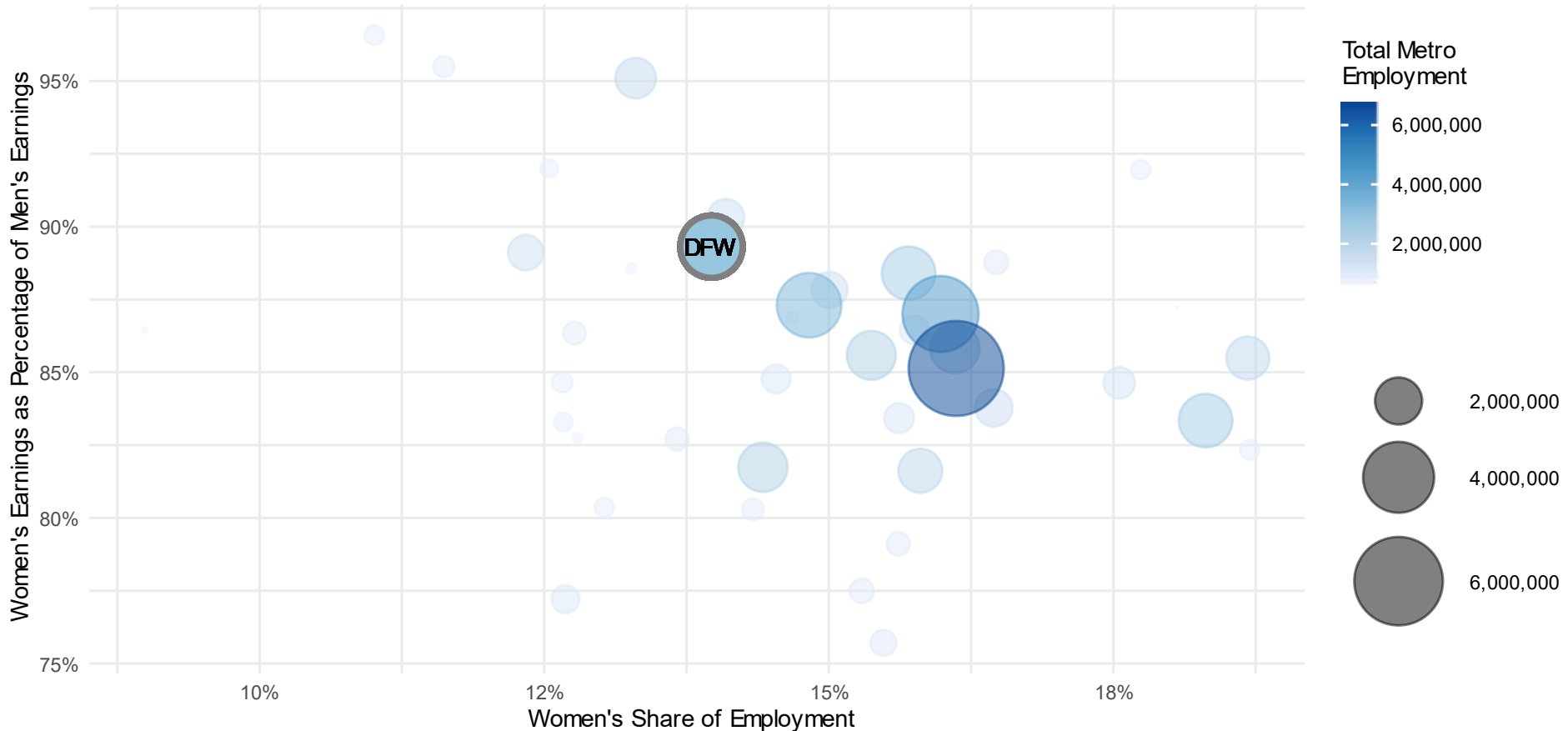
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Source: U.S. Census Bureau, American Communities Survey, 2015-2019 averages.

# Women's Employment and Earnings: DFW vs. Other Metros

## Architecture and Engineering



For more detail, visit the [interactive chart](#) on our website.

The full-time, year-round civilian employed population 16 years and over.

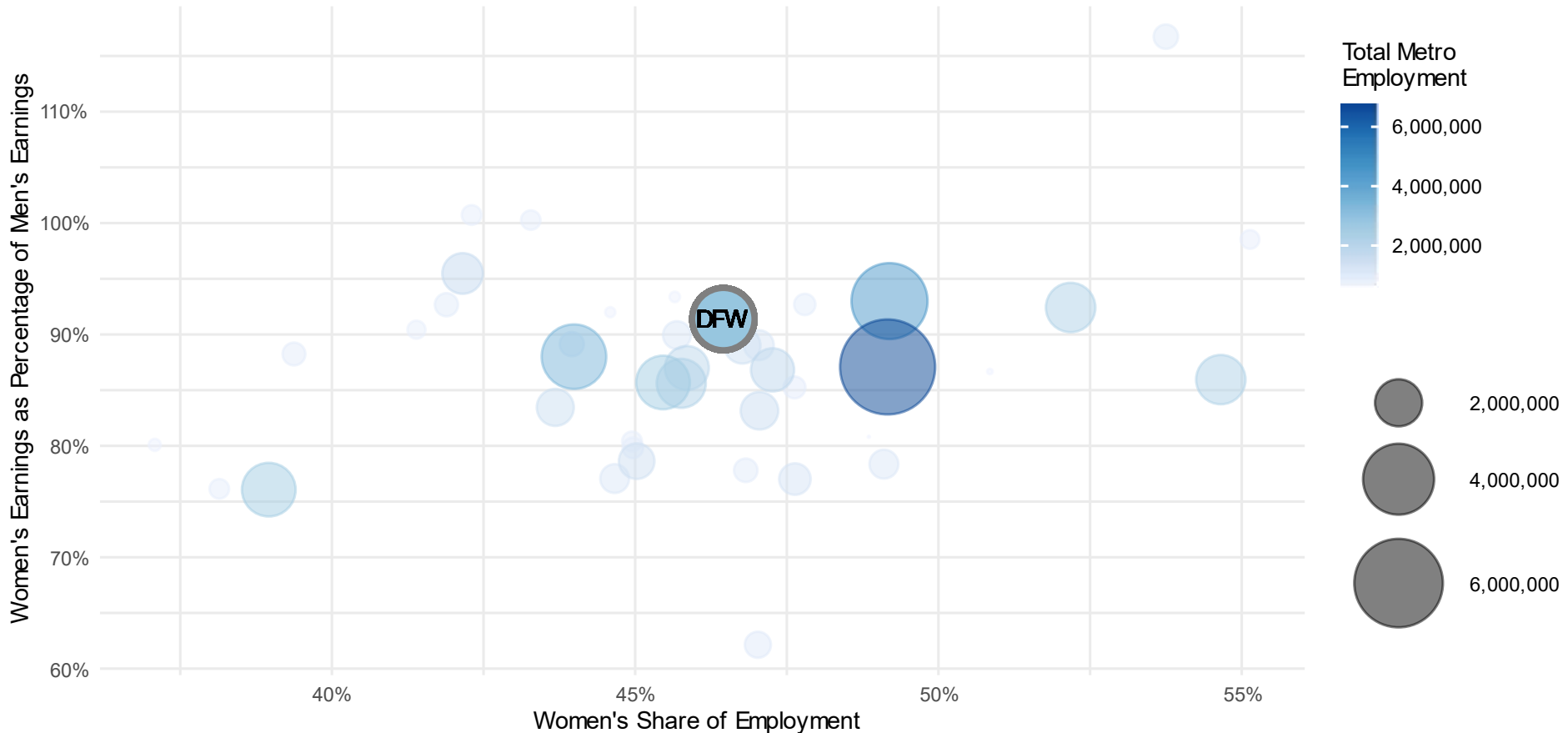
Median earnings (in 2019 inflation-adjusted dollars) for the full-time, year-round civilian employed population 16 years and over.

Source: U.S. Census Bureau, American Communities Survey, 2015-2019 averages.



# Women's Employment and Earnings: DFW vs. Other Metros

Life, Physical, and Social Sciences



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The full-time, year-round civilian employed population 16 years and over.

Median earnings (in 2019 inflation-adjusted dollars) for the full-time, year-round civilian employed population 16 years and over.

Source: U.S. Census Bureau, American Communities Survey, 2015-2019 averages.



## Questions?

Please contact Rachel Brasier at [Rachel.Brasier@UTDallas.edu](mailto:Rachel.Brasier@UTDallas.edu)  
or visit us at <https://economicengine.utdallas.edu/>

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