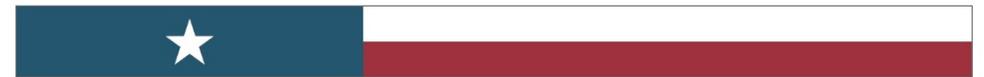


# How to download completion, grad rate, and transfer data

Top Improver Analysis Demonstration

# 60x30TX



Texas Higher Education  
Coordinating Board

Please mute the microphone and  
speakers on your computer and dial  
into the conference call line for audio

The dial-in conference call number is  
**1-415-655-0003**; access code  
**660 413 874**

# Welcome!

- The webinar will be starting in a few minutes.
- Because of the large number of attendees on the webinar, all participants will be automatically muted.
- Look for the **Chat Box** where you can ask questions or make comments.  
**Participation is encouraged!**
- The dial-in conference call number is **1-415-655-0003**; access code **660 413 874**
- Please email Elizabeth Chivers at [Elizabeth.chivers@thecb.state.tx.us](mailto:Elizabeth.chivers@thecb.state.tx.us) if you have any connectivity issues during the presentations

# What will you do on this webinar

## Part A

- Download completion, grad rate and transfer data
- Make comparisons by region and peer group

## Part B

- In-depth analysis of formulas
- Build top improver matrix visual

# Part A

- Download data
- Make comparisons

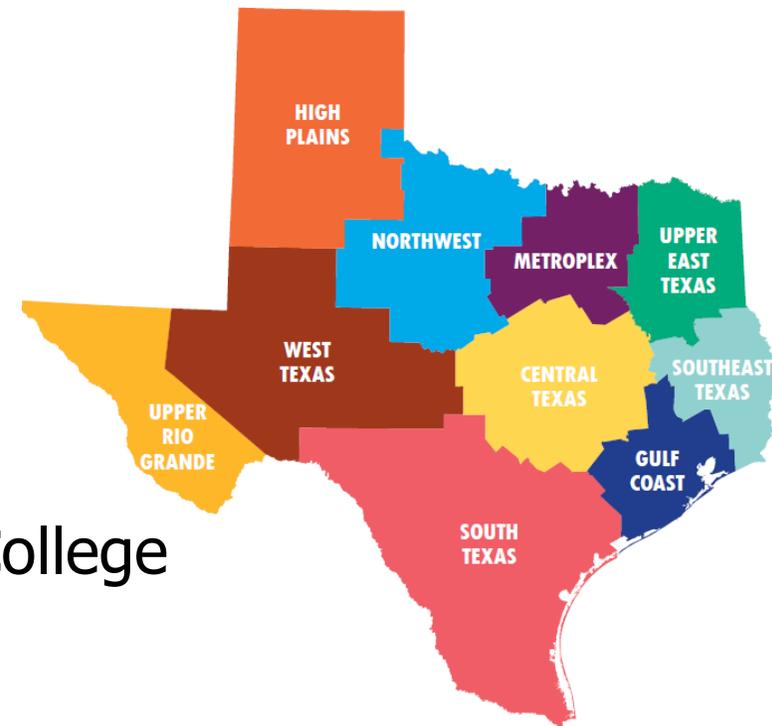
# Top Improver Overview

# **Universities:** The focus of analysis this year was completions, associated completion targets, and transfer

- Overall *60x30TX* completions during 2016 – 2018
- Target populations completions
  - African American (CTCs minimum = 50)
  - Hispanic (CTCs minimum = 50)
  - Male
  - Economically disadvantaged
  - **Field of Study Completions** (CTCs, transfer graduation rates for univ.)
- Graduation rates
  - 3-Year (CTCs)
  - 4-Year
  - 6-Year
  - **Transfer**

# “Top Improver” analysis compares universities by peer group and region

- Which institutions achieved the top improvements on selected accountability measures?
  - Analyzed by Region and Peer Groups
- Smaller regions were combined
  - West Texas + Upper Rio Grande
  - Southeast + Upper East
  - High Plains + Northwest
  - Lamar Colleges + Texas State Technical College



# Methodology

- Years compared: 2016 – 2018
- Completion outcomes are analyzed by percent change
- Graduation rates are analyzed by percentage point change
- Rating systems of low, medium, and high

Low	Medium	High
50 <sup>th</sup> Percentile ≤	51 <sup>st</sup> – 89 <sup>th</sup> Percentile	≥ 90 <sup>th</sup> Percentile

# Resources Needed

- Accountability System
- Definitions and Measures (Accountability System)
- Interactive (Accountability System)
- Excel (used for this demonstration)

# Degrees and Awards

C01UH - Degrees and Certificates Awarded

## Degrees and Certificates Awarded

Degrees and certificates awarded for students at public 4-year institutions. Percent change is from first to last year displayed.

	2016	2017	2018	
	Count	Count	Count	Percent Change
<b>Total</b>	<b>144,911</b>	<b>150,333</b>	<b>156,348</b>	<b>7.9 %</b>
Certificate				
Associate	34	33	36	5.9 %
Bachelor's	100,350	104,933	110,030	9.6 %
Master's	38,900	39,701	40,473	4.0 %
Doctoral Research Scholarship	3,721	3,748	3,877	4.2 %
Doctoral Professional Practice	1,906	1,918	1,932	1.4 %

Blue Selected White Unselected

All Male Female White African Am... Hispanic Asian Internatio... Other

# Definitions and Measures



## Measures and Definitions

Public Universities ▾

### COMPLETION - KEY MEASURES

#### C01UH - Degrees and Certificates Awarded

Number of certificates, associate degrees, bachelor's (baccalaureate) degrees, master's degrees, doctoral degrees (doctoral research scholarship), and professional (doctoral professional practice) degrees awarded by Texas public institutions of higher education. Certificates are lower-level undergraduate certificates. Note that this measure includes doctoral degrees (doctoral research scholarship) and professional (doctoral professional practice) degrees when reported for individual sectors; however, doctoral and professional degrees are not included for tracking progress toward the 60x30TX statewide completion goal. Source: CMB009

#### C15U - Graduation Rate of 2-Year College Transfers

#### C16U - Bachelor's Graduates with Hours at a 2-Year

#### C18UC - Underprepared/Prepared Students

#### C99U - Out-of-State Peer Comparison

### MARKETABLE SKILLS - KEY MEASURES

#### M01A - Working or Enrolled within One Year

### MARKETABLE SKILLS - CONTEXTUAL MEASURES

#### M02U - Certification and Licensure Pass Rates

### STUDENT DEBT - KEY MEASURES

History

Intellectual Property Policies

Peer Groups

Measures & Definitions

News and Updates **Measures & Definitions**

Quick Start Guide

Interactive Guide

Institutional Portal Guide

Success Points Calculation Detail

Glossary of Terms

S07U

S08U

S09U

S99U

SEC

X02U

X03U - Student/Faculty Ratio

X05U - Research Expenditures per FTE I

X06UH - Research Expenditures by Sou

X07U - Restricted Research Expenditure

X08U - FTE faculty who are Tenure/Tenu

# Interactive Reports

# Download Data

1. Click on Interactive
2. Download data
3. Inst. Type
4. Inst.
5. Select data table
6. Add filters
7. View Report
8. Create CSV or PDF

Download Data

Download data from the Accountability database in Excel or PDF format

Predefined Reports

Frequently requested reports on topics such as Fall Headcount, Graduation Rates, Degree and Certificates Awarded, and others

Accountability Reports

Reports showing all Accountability measures by institution, sector, peer group or statewide



# Public Universities

## Select from drop-down options

Select Institution Type:

Public Universities ▼

Select Institution:

41 selected ▼

What data would you like to see?

Degrees and Certificates Awarded by: ▼

- Select a Data Table
- Degrees and Certificates Awarded - Economically Disadvantaged
- Degrees and Certificates Awarded by Curriculum Area
- Degrees and Certificates Awarded by Gender, Ethnicity, Level and Region
- Degrees and certificates awarded in STEM, Allied Health, Nursing or Associate of Art in Teaching
- Enrollment by Age Groups
- Enrollment by Average Age

Select Year(s) to Filter

2016, 2017, 2018 ▼

Select Gender(s) to Filter

All selected (2) ▼

Select Ethnicity(s) to Filter

All selected (6) ▼

Select DegreeLevel(s) to Filter

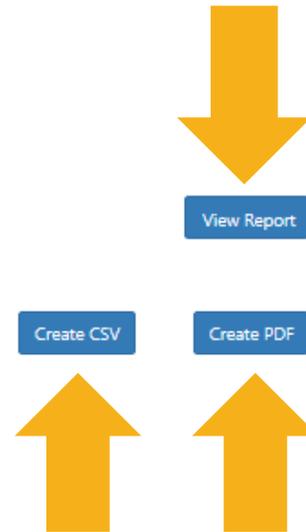
5 selected ▼

Select Region(s) to Filter

All selected (12) ▼

- Associate
- Bachelor's
- Master's
- Doctoral Research Scholarship
- Doctoral Professional Practice
- Baccalaureate Level Certificate
- Graduate Level Certificate

# View and Download



Show  entries

A red circle highlights the "Create CSV" button, which is located to the right of the table's header area. Next to it is a "Create PDF" button.

DimYear	InstTypeList	InstList	GenderDesc	EthnicityDesc	DegreeLevelDesc	RegionDesc	Count
2016	Public Universities	Angelo State University	Female	African American	Bachelor's	West	32
2016	Public Universities	Angelo State University	Female	African American	Master's	West	13
2016	Public Universities	Angelo State University	Female	Asian	Bachelor's	West	3
2016	Public Universities	Angelo State University	Female	Asian	Doctoral Professional Practice	West	1
2016	Public Universities	Angelo State University	Female	Asian	Master's	West	3
2016	Public Universities	Angelo State University	Female	Hispanic	Bachelor's	West	161
2016	Public Universities	Angelo State University	Female	Hispanic	Master's	West	41
2016	Public Universities	Angelo State University	Female	International	Bachelor's	West	5
2016	Public Universities	Angelo State University	Female	International	Master's	West	1

Showing 1 to 25 of 3,538 entries

Previous **1** 2 3 4 5 ... 142 Next

# Community College

## 3 Select Report and Filters

Select Institution Type:

Community Colleges

Select Institution:

74 selected

What data would you like to see?

Degrees and Certificates Awarded by

Select Year(s) to Filter

2016, 2017, 2018

Select Gender(s) to Filter

All selected (2)

Select Ethnicity(s) to Filter

All selected (6)

Select DegreeLevel(s) to Filter

6 selected

Select Region(s) to Filter

All selected (12)

Select a Data Table

Degrees and Certificates Awarded - Economically Disadvantaged

Degrees and Certificates Awarded by Curriculum Area

Degrees and Certificates Awarded by Gender, Ethnicity, Level and Region

Degrees and certificates awarded in STEM, Allied Health, Nursing or Associate of Art in Teaching

Enrollment by Age Groups

Enrollment by Average Age

Degrees and Certificates

6 selected

Select all

Certificate

Certificate 1

Certificate 2

Advanced Technology Certificate

Associate

Bachelor's

# Community College Economically Disadvantaged

Select Institution Type:

Community Colleges

Select Institution:

74 selected

What data would you like to see?

Degrees and Certificates Awarded - I

Select Year(s) to Filter

2016, 2017, 2018

Select Region(s) to Filter

All selected (10)

Select a Data Table

Contact hours for Continuing Education Students

Contact Hours for Credit Enrollment Students

Contact Hours Taught by FT/PT Faculty

**Degrees and Certificates Awarded - Economically Disadvantaged**

Degrees and Certificates Awarded by Curriculum Area

Degrees and Certificates Awarded by Gender, Ethnicity, Level and Region

Degrees and Certificates Awarded by Type Major (CTC Only)

Degrees and certificates awarded in STEM, Allied Health, Nursing or Associate of Art in Teaching

Enrollment by Age Groups

Enrollment by Age Groups (Annual Unduplicated)

Enrollment by Average Age

Enrollment by Curriculum Area

Enrollment by Flex Entry

Enrollment by FTIC, FT/PT, or Degree-Seeking

Enrollment by Gender, Ethnicity and Classification

Enrollment by Gender, Ethnicity and Type Major (Annual Unduplicated)

Enrollment by Geographic Source

Enrollment by Semester Credit Hour (SCH) Load

Enrollment by Tuition Status

# Community College Grad Rate

Select Institution Type:

Community Colleges ▼

Select Institution:

74 selected ▼

What data would you like to see?

Graduation Rate ▼

Select Year(s) to Filter

2016, 2017, 2018 ▼

Select ReportType(s) to Filter

All selected (3) ▼

Select CohortYear(s) to Filter

None selected ▼

# Community College Transfer

Select Institution Type:

Community Colleges ▼

Select Institution:

74 selected ▼

What data would you like to see?

Transfer to a Senior Institution ▼

Select Year(s) to Filter

2016, 2017, 2018 ▼

Select MajorType(s) to Filter

All selected (3) ▼

Select CohortYear(s) to Filter

All selected (5) ▼

Select CCTrans(s) to Filter

All selected (13) ▼

# Field of Study

Select Institution Type:

Community Colleges ▼

Select Institution:

74 selected ▼

What data would you like to see?

Degrees and Certificates Awarded by: ▼

Select Year(s) to Filter

2016, 2017, 2018 ▼

Select MajorType(s) to Filter

None selected ▼

Select LevelGroup(s) to Filter

Field of Study ▼

Select CIPGroup(s) to Filter

None selected ▼

Select CIP(s) to Filter

None selected ▼

What data would you like to see?

Degrees and Certificates Awarded by: ▼

Select a Data Table

Contact hours for Continuing Education Students

Contact Hours for Credit Enrollment Students

Contact Hours Taught by FT/PT Faculty

Degrees and Certificates Awarded - Economically Disadvantaged

**Degrees and Certificates Awarded by Curriculum Area**

Degrees and Certificates Awarded by Gender, Ethnicity, Level and Region

Degrees and Certificates Awarded by Type Major (CTC Only)

Degrees and certificates awarded in STEM, Allied Health, Nursing or Associate of Art in Teaching

Enrollment by Age Groups

Enrollment by Age Groups (Annual Unduplicated)

Enrollment by Average Age

Enrollment by Curriculum Area

Enrollment by Flex Entry

Enrollment by FTIC, FT/PT, or Degree-Seeking

Enrollment by Gender, Ethnicity and Classification

Enrollment by Gender, Ethnicity and Type Major (Annual Unduplicated)

Enrollment by Geographic Source

Enrollment by Semester Credit Hour (SCH) Load

Enrollment by Tuition Status

# Public Universities – Economically Disadvantaged

Select Institution Type:

Public Universities ▼

Select Institution:

41 selected ▼

What data would you like to see?

Degrees and Certificates Awarded - I ▼

Select Year(s) to Filter

2016, 2017, 2018 ▼

Select Region(s) to Filter

All selected (10) ▼

Degrees and Certificates Awarded - I ▼

Select a Data Table

Degrees and Certificates Awarded - Economically Disadvantaged

Degrees and Certificates Awarded by Curriculum Area

Degrees and Certificates Awarded by Gender

Degrees and certificates awarded in STEM, Allied Health, Nursing or Associate of Art in Teaching

Enrollment by Age Groups

Enrollment by Average Age

Enrollment by Curriculum Area

Enrollment by Flex Entry

Enrollment by FTIC, FT/PT, or Degree-Seeking

Enrollment by Gender, Ethnicity and Classification

Enrollment by Geographic Source

Enrollment by Semester Credit Hour (SCH) Load

Enrollment by Tuition Status

Enrollment by Undergraduate Status

Enrollment by Undergraduate Students Taking SCH at 2-year Colleges

Enrollment in Dual Credit (Fall)

Expenditures per full-time student equivalent

Faculty Headcount (Fall)

Faculty Teaching Lower-Division SCH (Tenured/Tenure-Track)

# Public University Grad Rate

Select Institution Type:

Public Universities ▼

Select Institution:

41 selected ▼

What data would you like to see?

Graduation Rate ▼

Select Year(s) to Filter

2016, 2017, 2018 ▼

Select ReportType(s) to Filter

All selected (3) ▼

Select CohortYear(s) to Filter

None selected ▼

# Public University Transfer

Select Institution Type:

Public Universities ▼

Select Institution:

41 selected ▼

What data would you like to see?

Graduation Rate Counts for Two-Year ▼

Select Year(s) to Filter

2016, 2017, 2018 ▼

Select TwoYearSCH(s) to Filter

All selected (2) ▼

Select Graduation(s) to Filter

All selected (2) ▼

What data would you like to see?

Graduation Rate Counts for Two-Year ▼

Faculty Teaching Lower-Division SCH (tenured/tenure-track)

FTE Faculty Who are Tenure/Tenure-Track

Full-Time Student Equivalent by All Hours and State-Funded

Graduates as a Percent of Undergraduate FTE Enrollment

Graduates With No More Than 3 Excess Hours (Bachelor's Degrees)

Graduates With SCH at a Two-Year College (Bachelor's Degrees)

Graduation and Persistence Rate Counts (Six Years)

Graduation Rate

Graduation Rate (OOS Peers, Non-Texas & Career)

Graduation Rate Counts

Graduation Rate Counts (OOS Peers, Non-Texas & Career)

Graduation Rate Counts for Master's and Doctoral Programs

Graduation Rate Counts for Two-Year First-Time Transfers to a University

Percent of Graduates with Debt

Persistence Rates

Research Expenditures by Source

Research Expenditures per FTE Faculty

Semester Credit Hours by Funding Type

Semester Credit Hours by Instruction Mode

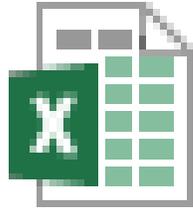
Semester Credit Hours in Excess of Program Requirements

Semester Credit Hours to Degrees

Graduation Rate Counts fo

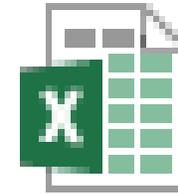
# Regions and Peer Groups Crosswalks

## University Regions and Peer Groups



UNIV Regions  
Peer Groups

## CTC Regions and Peer Groups

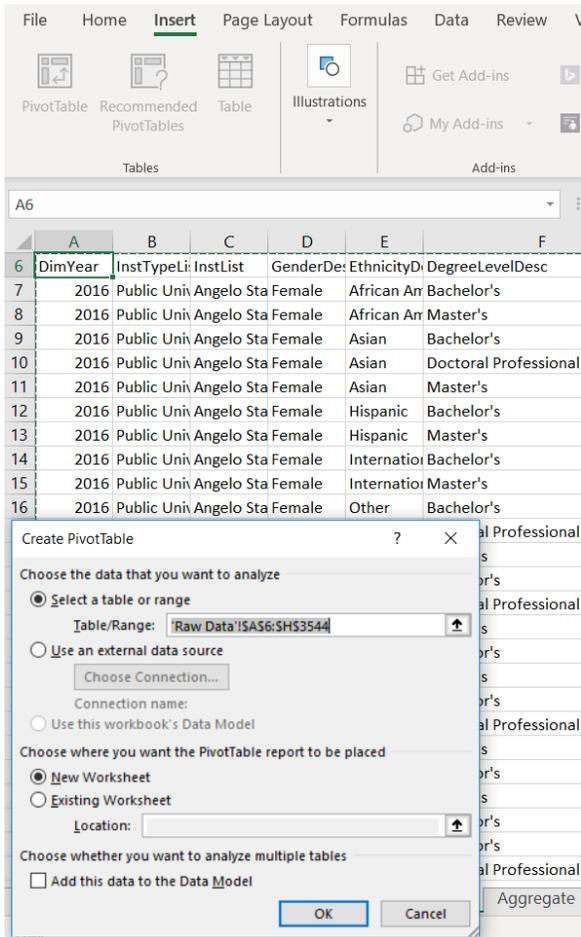


CTC Regions  
Peer Groups

# Analyzing Data

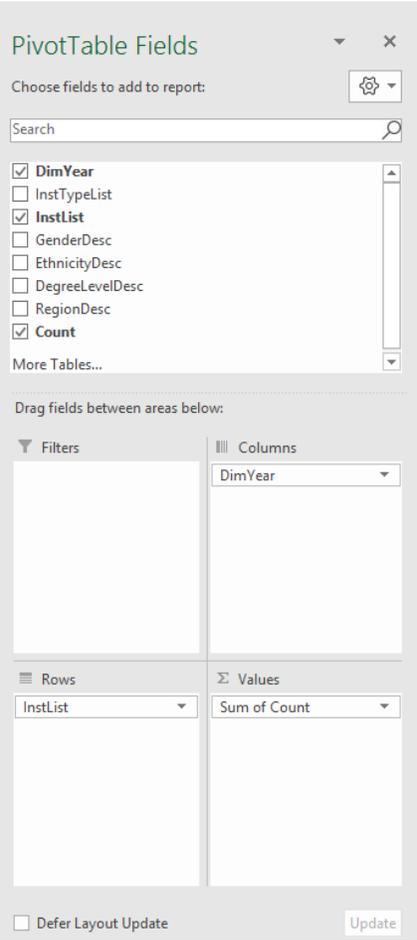
1. Download completion data from Interactive
2. Create pivot table
3. Calculate percent change

# Creating a Pivot Table



Insert > Pivot Table >  
Select a table or range  
and New Worksheet

# Pivot table fields



# Percent Change Formula

(cell for 2018 data – cell for 2016 data)/abs(cell for 2016 date)

E8       $\times$      $\checkmark$      $f_x$      $= (D8 - B8) / ABS(B8)$

	A	B	C	D	E	F	G	H	I	J
1	<a href="#">Return to Table of Contents</a>									
2										
3										
4	<b>University Completions</b>									
5										
6				Year						
7	Institution	2016	2017	2018	Percent Change					
8	University of North Texas at Dallas	567	600	808	42.50%					
9	The University of Texas at Tyler	2240	2451	2791	24.60%					
10	Angelo State University	1307	1509	1566	19.82%					
11	The University of Texas at Arlington	11526	12747	13728	19.10%					
12	The University of Texas Permian Basin	966	1018	1138	17.81%					
13	Texas A&M University at Galveston	452	466	526	16.37%					

# Part B

- Formulas
  - VLOOKUP
  - Percentile
  - Named Ranges
  - Nested IF Statement
  - Percent-Rank
- Building the Matrix

# Percentiles

90<sup>th</sup> Percentile

=Percentile(NamedRange, .9)

89<sup>th</sup> Percentile

=Percentile(NamedRange, .89)

50<sup>th</sup> Percentile

=Percentile(NamedRange, .5)

# VLOOKUP Statement

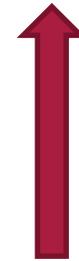
=VLOOKUP(\$A13, UNIV\_PCT\_CHG,2,FALSE)



Cell to  
identify  
data



Array to  
pull data



Column in  
array to  
find data



Exact  
match

# Named Ranges

E12      Centex\_Percentage Change

	A	B	C	D	E	F	G
1	<a href="#">Return to Table of Contents</a>						
2							
3							
4	University Top Improvement - Central Texas						
5							
6	90th Percentile	12.89%					
7	89th Percentile	12.76%					
8	50th Percentile	8.62%					
9							
10							
11							
12	University_comp_centex	2016	2017	2018	Centex_Percentage Change	Percentile_comp_centex	Percentile Rank
13	Texas A&M University	13953	15104	15934	14.20%	High	1.00
14	Texas A&M University-Central Texas	753	754	827	9.83%	Medium	0.67
15	Texas State University	7962	8531	8552	7.41%	Low	0.33
16	The University of Texas at Austin	14675	14132	14247	-2.92%	Low	0.00
17							

Create Names from Selection ? X

Create names from values in the:

- Top row
- Left column
- Bottom row
- Right column

OK Cancel

# Nested IF Statement

Formula Bar: `=IF(E13<=$B$8, "Low", IF(E13<=$B$7, "Medium", IF(E13>=$B$6, "High")))`

	A	B	C	D	E	F	G	H	I
1	<a href="#">Return to Table of Contents</a>								
2									
3									
4	University Top Improvement - Central Texas								
5									
6	90th Percentile	12.89%							
7	89th Percentile	12.76%							
8	50th Percentile	8.62%							
9									
10									
11									
12	University_comp_centex	2016	2017	2018	Percentage Change	Percentile_comp_centex	Percentile Rank		
13	Texas A&M University	13953	15104	15934	0.142	IF(E13>=\$B\$6, "High"))	1.00		
14	Texas A&M University-Central Texas	753	754	827	0.098	Medium	0.67		
15	Texas State University	7962	8531	8552	0.074	Low	0.33		
16	The University of Texas at Austin	14675	14132	14247	-0.029	Low	0.00		

`=IF(E13<=$B$8, "Low", IF(E13<=$B$7, "Medium", IF(E13>=$B$6, "High")))`

# Percent Rank Statement

G13							
=PERCENTRANK.INC(CNTXPCT,E13)							
	A	B	C	D	E	F	G
1	<a href="#">Return to Table of Contents</a>						
2							
3							
4	University Top Improvement - Central Texas						
5							
6	90th Percentile	12.89%					
7	89th Percentile	12.76%					
8	50th Percentile	8.62%					
9							
10							
11							
12	University_comp_centex	2016	2017	2018	Centex_Percentage Change	Percentile_comp_centex	Percentile Rank
13	Texas A&M University	13953	15104	15934	0.142	High	1.00
14	Texas A&M University-Central Texas	753	754	827	0.098	Medium	0.67
15	Texas State University	7962	8531	8552	0.074	Low	0.33
16	The University of Texas at Austin	14675	14132	14247	-0.029	Low	0.00

=PERCENTRANK.INC(CNTXPCT,E13)

# Building your matrix visual

- Percent Ranking
- XY Scatter Plot
  - Applicable axis

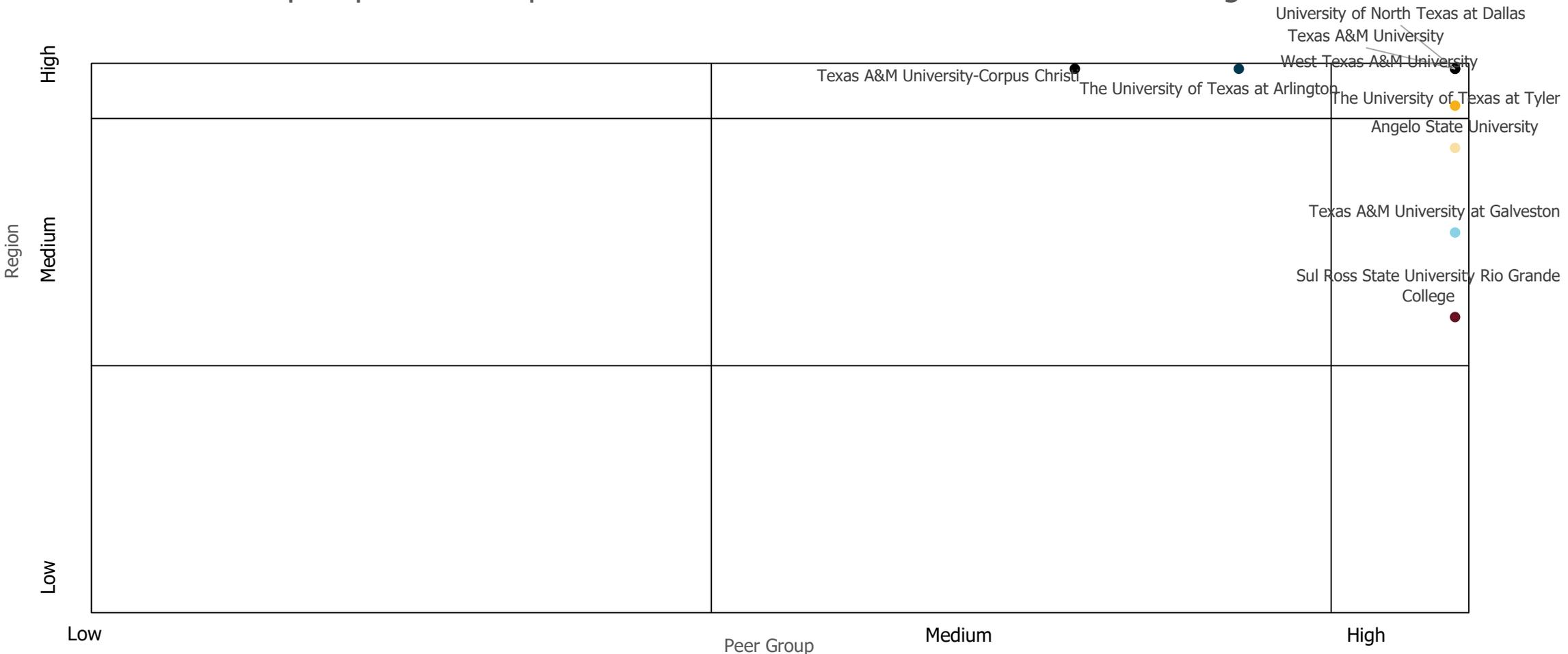
# Select your data points

B4            =VLOOKUP(\$A4,HPNW\_PerRank, 7, FALSE)

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3	Institution	Region Percent Rank	Peer Group Percent Rank								
4	West Texas A&M University	1	1								
5	Texas A&M University	1	1								
6	University of North Texas at Dallas	1	1								
7	The University of Texas at Tyler	1	0.923								
8	Angelo State University	1	0.846								
9	Texas A&M University at Galveston	1	0.692								
10	Sul Ross State University Rio Grande College	1	0.538								

# Matrix Visual

Top Improved Completions - Universities 2016 - 2018 Percent Change



# Q & A

What questions do you have?

# Contact Information

For more information, please contact

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Data Trainer

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# Special Thanks to THECB colleagues

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Data Specialist III