Dashboards

From a Crawl to a Sprint

TCC | Tarrant County College
SUCCESS WITHIN REACH.

Holly Stovall
Bonnie Hurford
Elizabeth Northern
Christina Kraines

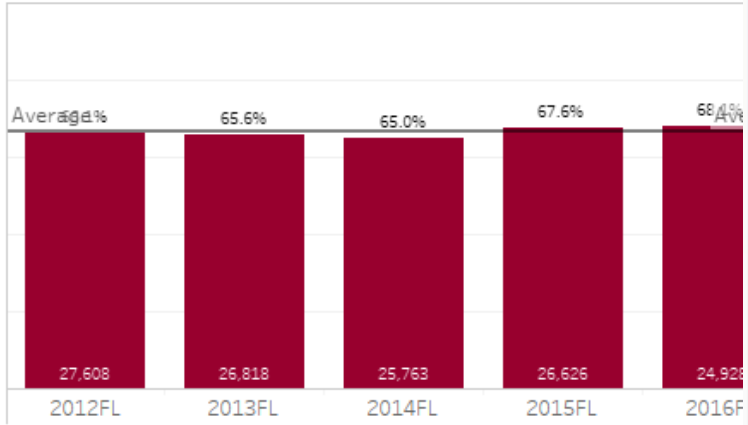
2014-2018

You're here… What could be?

	Campus					Total
Department	NE	NW	SE	SO	TR	
ABDR	0	0	0	176	0	176
ACCT	405	351	434	204	196	1590
ACNT	69	20	24	281	0	394
AERM	0	902	0	0	0	902
ANTH	37	0	0	0	91	128
ARCH	0	0	119	0	0	119
ARCT	0	0	2	0	0	2
ARTC	197	0	0	0	0	197
ARTS	1413	938	823	641	415	4230
ARTV	39	0	0	0	0	39
AUMT	0	0	0	370	0	370
AVNC	0	22	0	0	0	22
BCIS	931	593	551	448	318	2841
BIOL	2256	1144	1763	1300	723	7186
BMGT	254	234	241	287	107	1123
BNKG	0	0	0	9	0	9
BUSG	40	338	31	27	0	436
BUSI	298	184	245	244	126	1097
CDEC	311	0	0	0	0	311
CETT	0	0	0	154	0	154
CHEF	0	0	165	0	0	165
CHEM	664	435	591	342	292	2324
CJLE	0	188	0	0	0	188
CJSA	0	61	0	0	0	61
CNBT	0	0	111	0	0	111
COMM	268	23	26	0	20	337
COSC	670	758	664	501	253	2848
CPMT	18	0	0	50	0	68

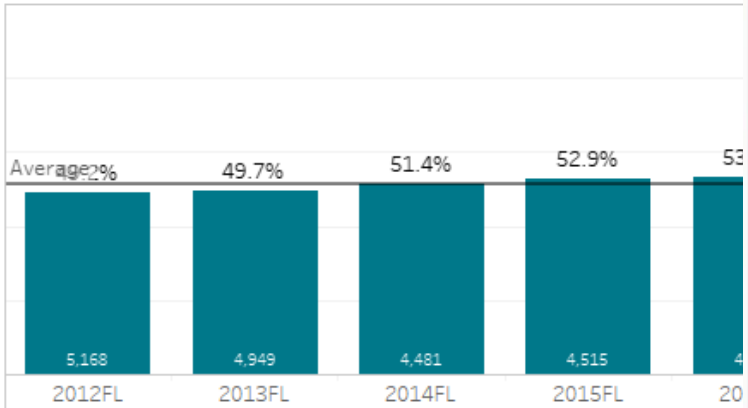
+ a b | e a u

FTIC First-Term Success Rates



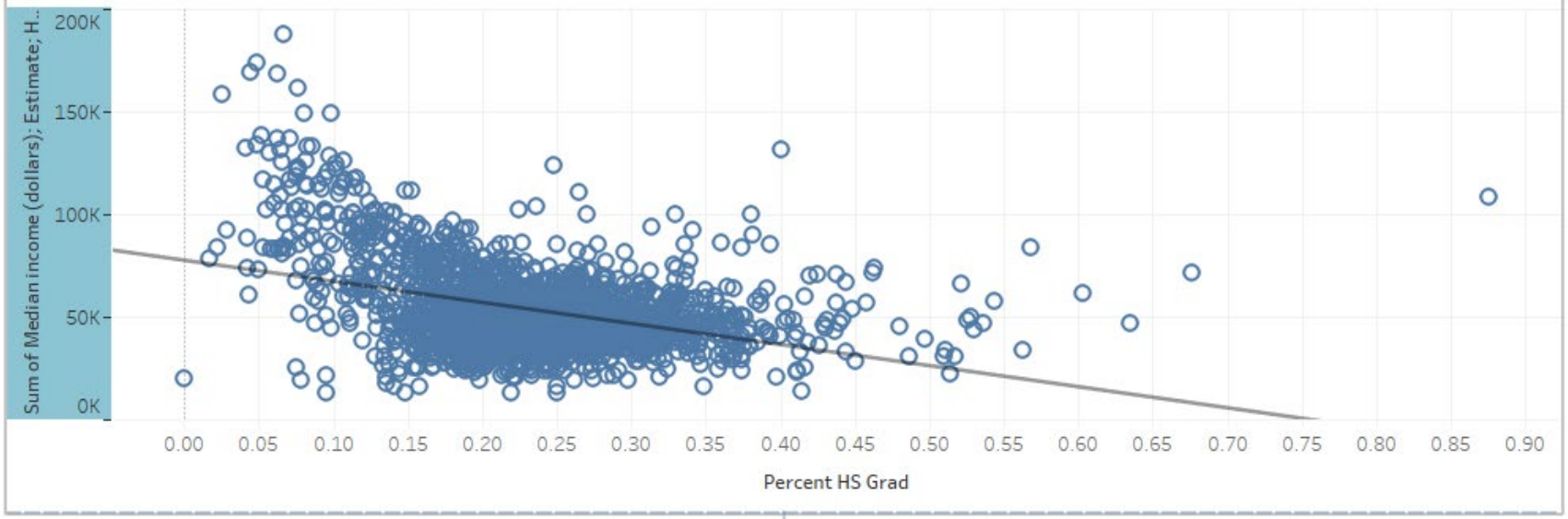
Total course enrollment s are shown in bar.

Degree-seeking FTIC FL-to-FL Retention Rates

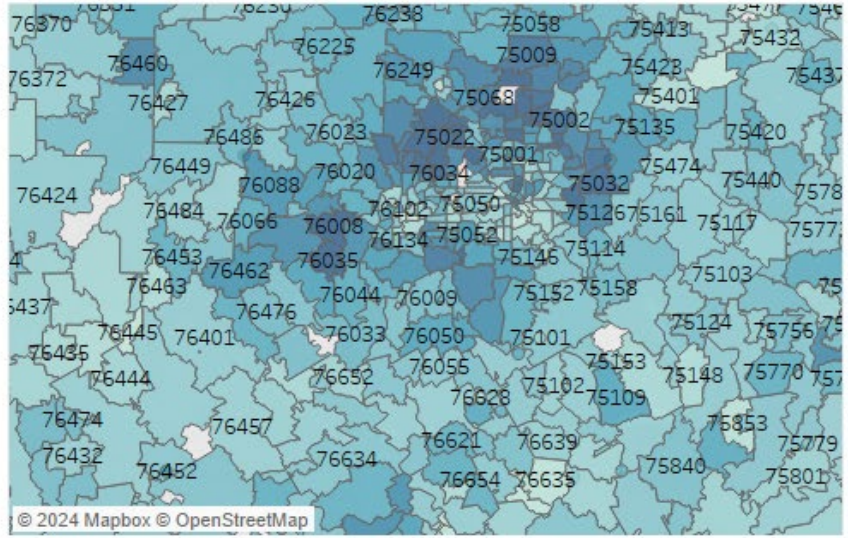


Cohort sizes are shown in bar.

Median Household Income vs Ed Level

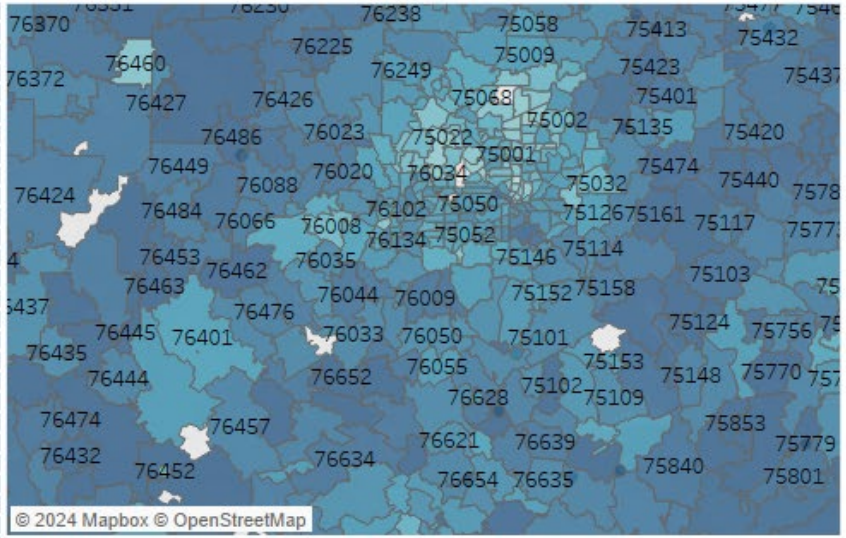


Median Household Income



Median Household Income

Percent with HS as Highest Education Level



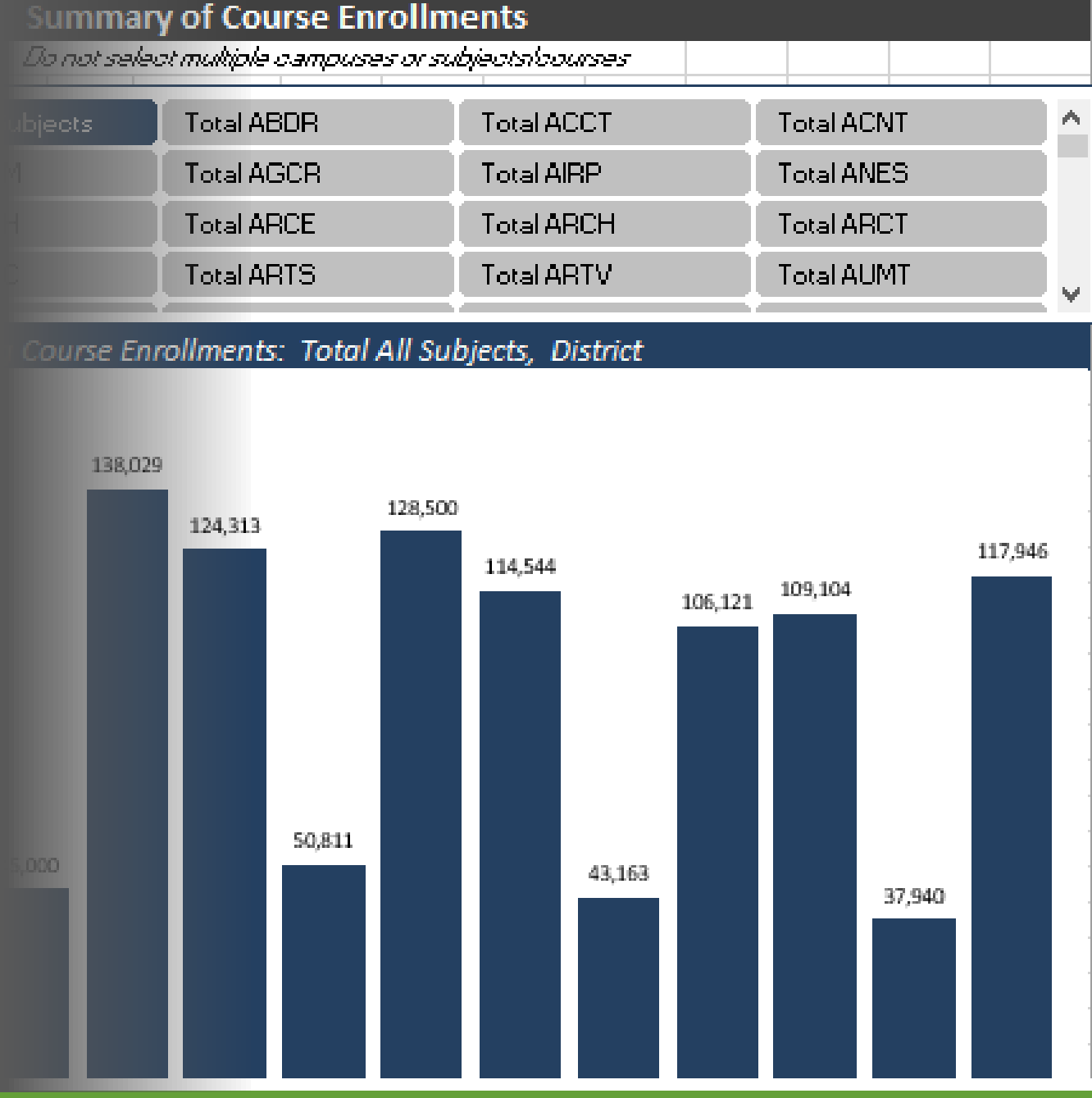
Percent HS

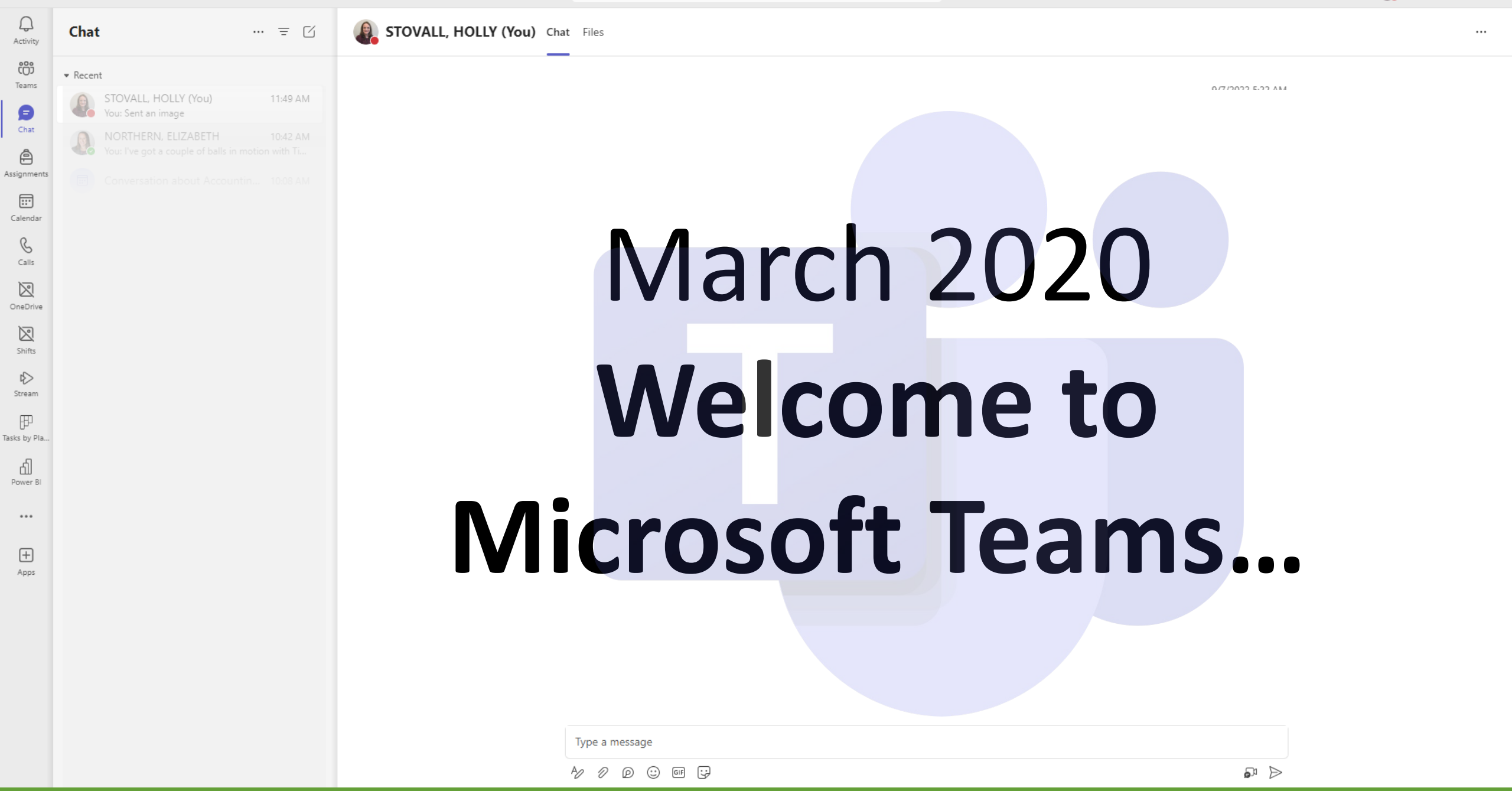
You can't go alone…

What can Excel do?

2018-2020

The Excel journey begins…



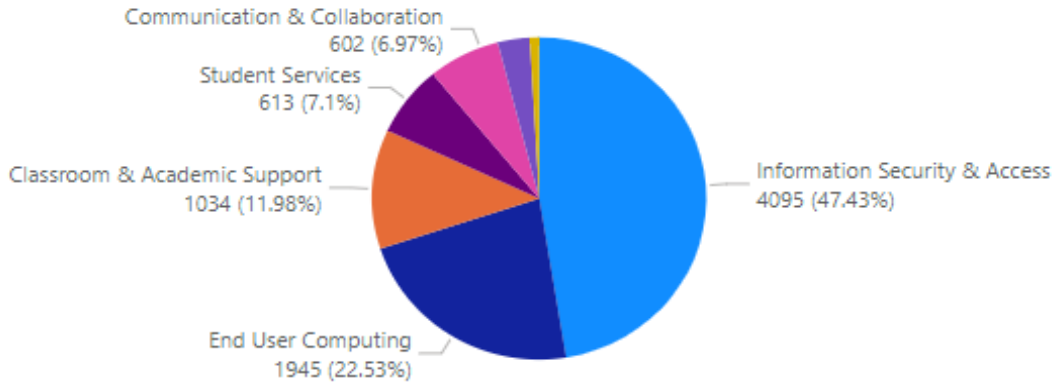

Chat
Activity
Teams
Chat
Assignments
Calendar
Calls
OneDrive
Shifts
Stream
Tasks by Pla...
Power BI
Apps
Recent
STOVALL, HOLLY (You) 11:49 AM
You: Sent an image
NORTHERN, ELIZABETH 10:42 AM
You: I've got a couple of balls in motion with Ti...
Conversation about Accountin... 10:08 AM
STOVALL, HOLLY (You) Chat Files
March 2020
Welcome to
Microsoft Teams...
Type a message

Summary Help Desk Ticket Status - 3/20/2020 to 4/13/2020

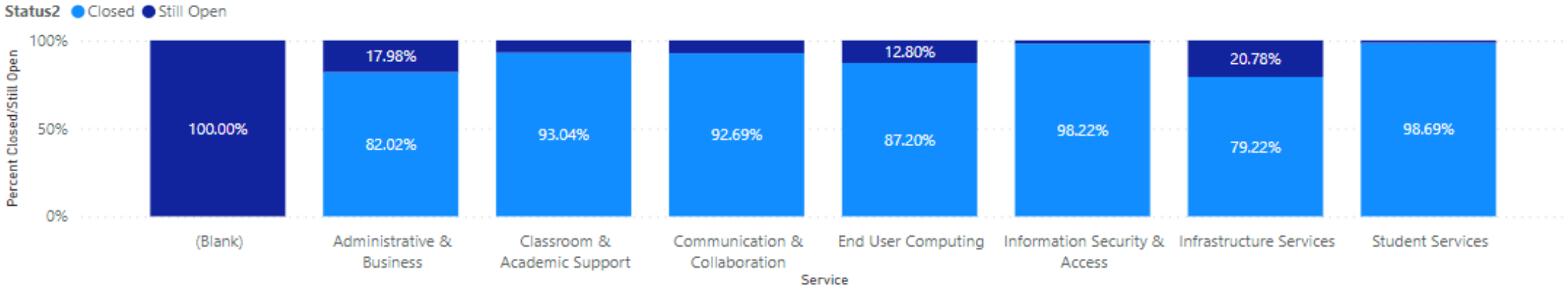
Table 1: Incidents by Service and Status

Status2 / Service	Closed Count	Closed Percent	Still Open Count	Still Open Percent	**Total Count**	**Total Percent**
			1	100.00%	**1**	**100.00%**
Administrative & Business	219	82.02%	48	17.98%	**267**	**100.00%**
Classroom & Academic Support	962	93.04%	72	6.96%	**1034**	**100.00%**
Communication & Collaboration	558	92.69%	44	7.31%	**602**	**100.00%**
End User Computing	1696	87.20%	249	12.80%	**1945**	**100.00%**
Information Security & Access	4022	98.22%	73	1.78%	**4095**	**100.00%**
Infrastructure Services	61	79.22%	16	20.78%	**77**	**100.00%**
Student Services	605	98.69%	8	1.31%	**613**	**100.00%**
Total	**8123**	**94.08%**	**511**	**5.92%**	**8634**	**100.00%**

Total Incidents by Service



Percent Closed/Still Open by Service



2020-2024

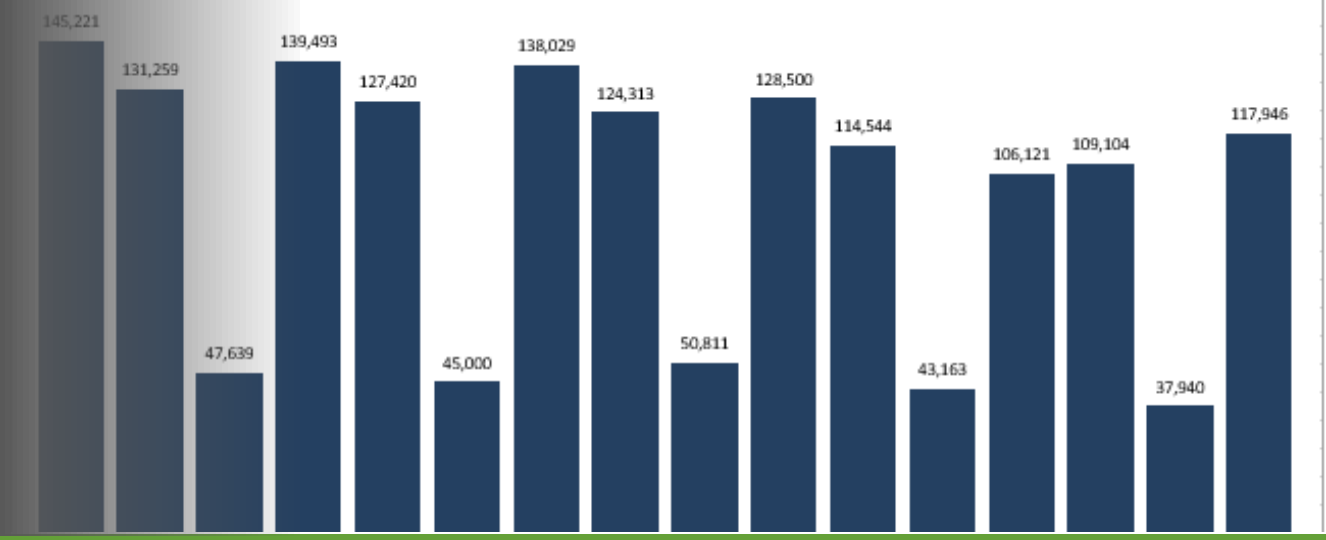
The Excel journey continues…

Summary of Course Enrollments

Choose a campus and subject/course: *Do not select multiple campuses or subjects/courses*

District	CN	Total All Subjects	Total ABDR	Total ACCT	Total ACNT
NE	NW	Total AERM	Total AGCR	Total AIRP	Total ANES
SE	SO	Total ANTH	Total ARCE	Total ARCH	Total ARCT
TR		Total ARTC	Total ARTS	Total ARTV	Total AUMT

Viewing Course Enrollments: Total All Subjects, District



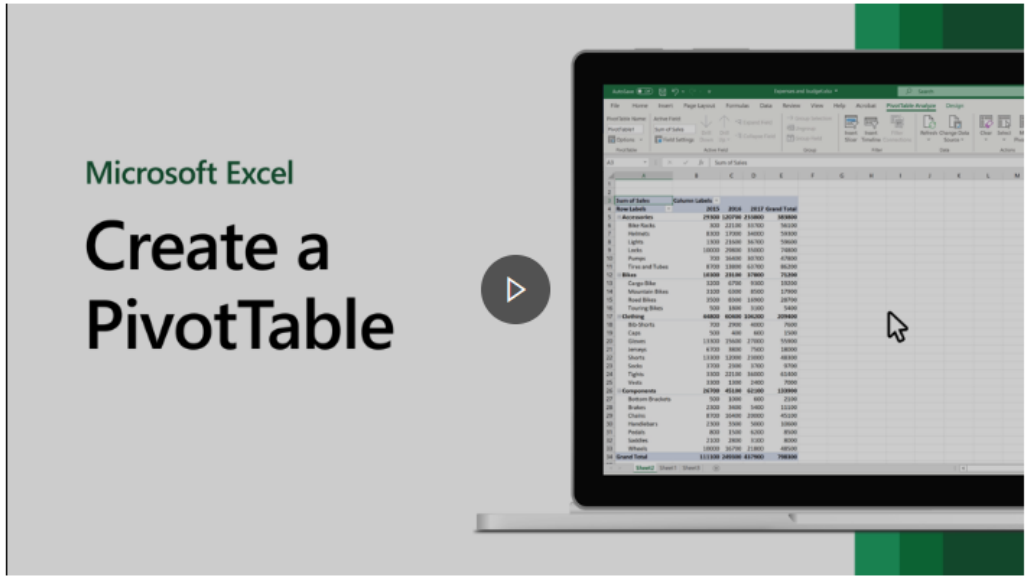
- Create a PivotTable to analyze worksheet data
  Article
- Use the Field List to arrange fields in a PivotTable
  Article
- Group or ungroup data in a PivotTable
  Article
- Filter data in a PivotTable
  Article
- Create a PivotChart
  Article

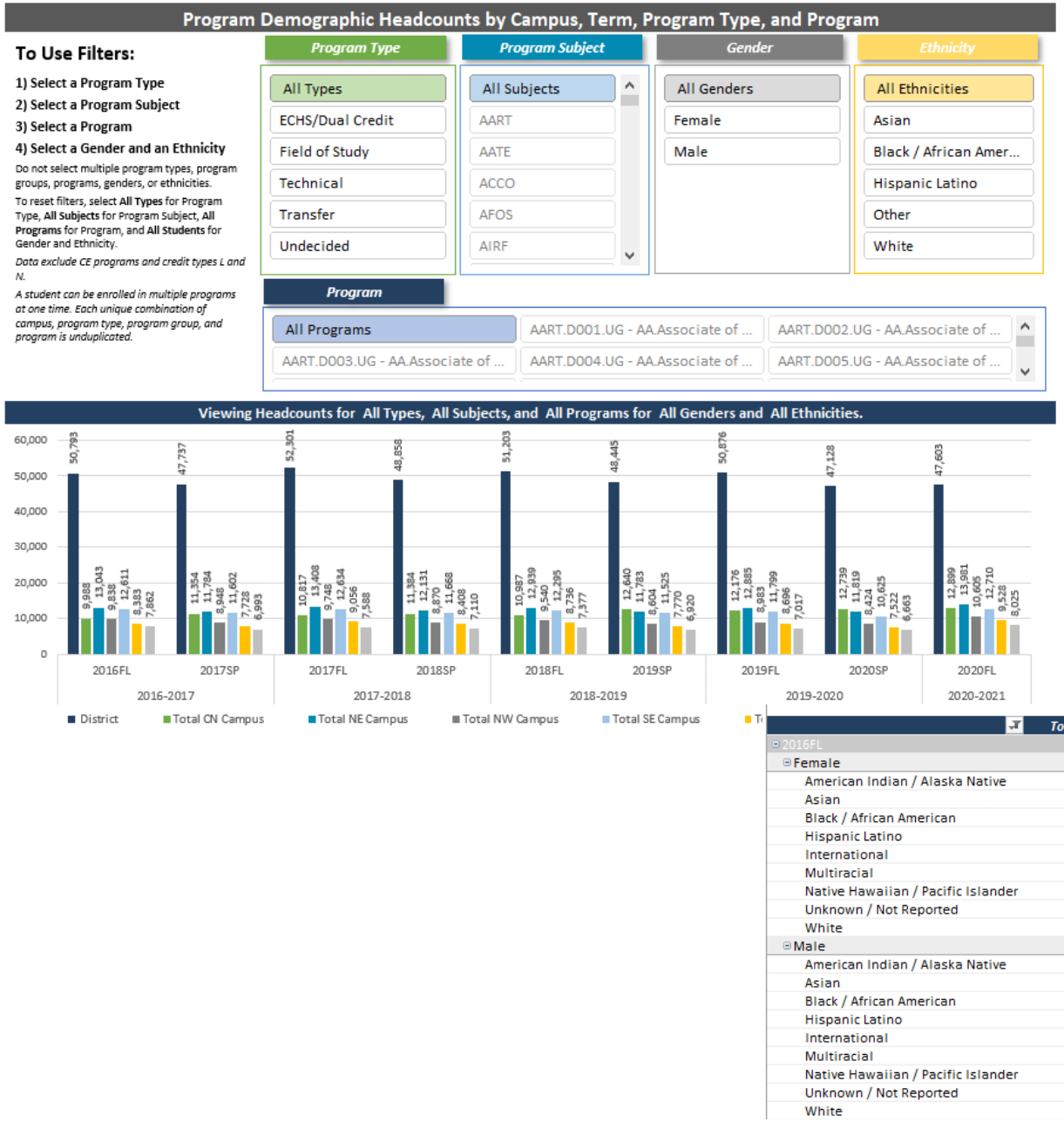
Next: Share & coauthor

Create a PivotTable to analyze worksheet data

A PivotTable is a powerful tool to calculate, summarize, and analyze data that lets you see comparisons, patterns, and trends in your data. PivotTables work a little bit differently depending on what platform you are using to run Excel.

Windows Web Mac iPad





How many worksheets is too many worksheets….

	Total District	Total CN Campus	Total NE Campus	Total NW Campus	Total SE Campus	Total SO Campus	Total TR Campus
2016FL	50,793	9,988	13,043	9,838	12,611	8,383	7,862
Female	29,171	6,934	7,111	5,243	7,174	4,401	5,026
American Indian / Alaska Native	101	31	29	20	19	7	13
Asian	1,559	320	465	209	588	139	164
Black / African American	5,457	1,468	1,038	513	1,875	1,130	823
Hispanic Latino	9,633	1,669	1,891	1,974	2,347	1,772	2,139
International	252	45	64	29	115	34	43
Multiracial	800	181	200	154	205	118	139
Native Hawaiian / Pacific Islander	43	14	15	6	10	2	6
Unknown / Not Reported	339	61	99	54	83	58	62
White	10,987	3,145	3,310	2,284	1,932	1,141	1,637
Male	21,622	3,054	5,932	4,595	5,437	3,982	2,836
American Indian / Alaska Native	88	15	27	23	18	17	12
Asian	1,482	164	425	243	603	189	123
Black / African American	3,293	524	710	451	1,178	783	374
Hispanic Latino	6,674	657	1,420	1,510	1,617	1,471	1,275
International	201	27	45	28	97	47	34
Multiracial	586	80	171	113	172	102	57
Native Hawaiian / Pacific Islander	57	9	22	12	13	4	8
Unknown / Not Reported	281	37	82	74	54	47	48
White	8,960	1,541	3,030	2,141	1,685	1,322	905

DASHBOARDS

The Office of Institutional Research's dashboards provide users an interactive experience to better visualize data and filter by campus, subject, or course.

- Course Enrollments (XLSX): Includes a five-year trend for course enrollments by campus, subject, and course.
- Program Dashboard (XLSX): Provides headcount data for programs, disaggregated by term, campus, type, and subject.
- Success by Gender and Ethnicity (XLSX): Provides success and withdrawal rates for subject, course, and campus by gender and ethnicity.
- Summary Dashboard (XLSX): Includes enrollment summary, course success rates, KPIs (retention, transfer, & graduation rates), degree/certificate counts, and demographics (gender, ethnicity, age, TSI status, and first gen status).
- Summary Metrics for Full-time Faculty (XLSX): Provides percent of sections taught by full-time faculty, course enrollment trends, ratio of enrollments to full-time faculty, and percent change from prior year.
- Tarrant County Demographics by Zip Code (XLSX): Includes population size, gender, ethnicity, age, educational attainment, mean income, and other social and economic metrics.
- Core Curriculum Dashboard (XLSX): Provides four dashboards showing enrollment and section offerings by term for courses in the Core Curriculum.
- Student Recruitment & Outreach Monthly Dashboard (XLSX): Metrics specific to the SRO team related to applicant and enrollment data, updated February 2024.
- Trac Cloud Dashboard (XLSX): Provides summary, demographic, visit reason, and success metrics for Trac Cloud data by center, campus, and subject.
- Tutor 24/7 Dashboard (XLSX): Provides summary, time of day, day of week, and date metrics for Tutor 24/7 data by subject.
- TutorTrac Dashboard (XLSX): Provides summary, demographic, visit reason, and success metrics for TutorTrac data by term, center, campus, and subject.

2020-2024

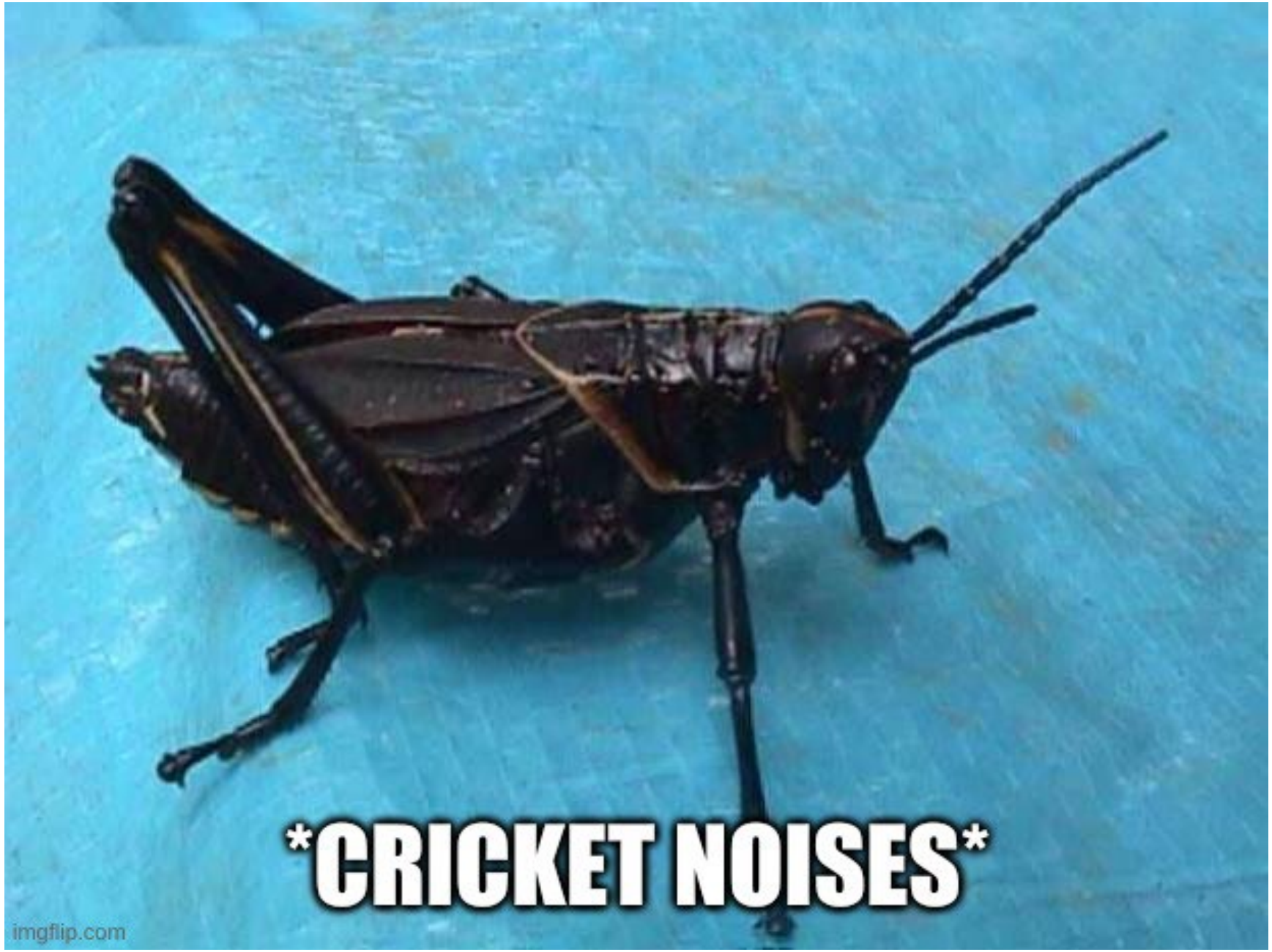
PowerBI journey begins…and stops..and begins

How do we make this work?

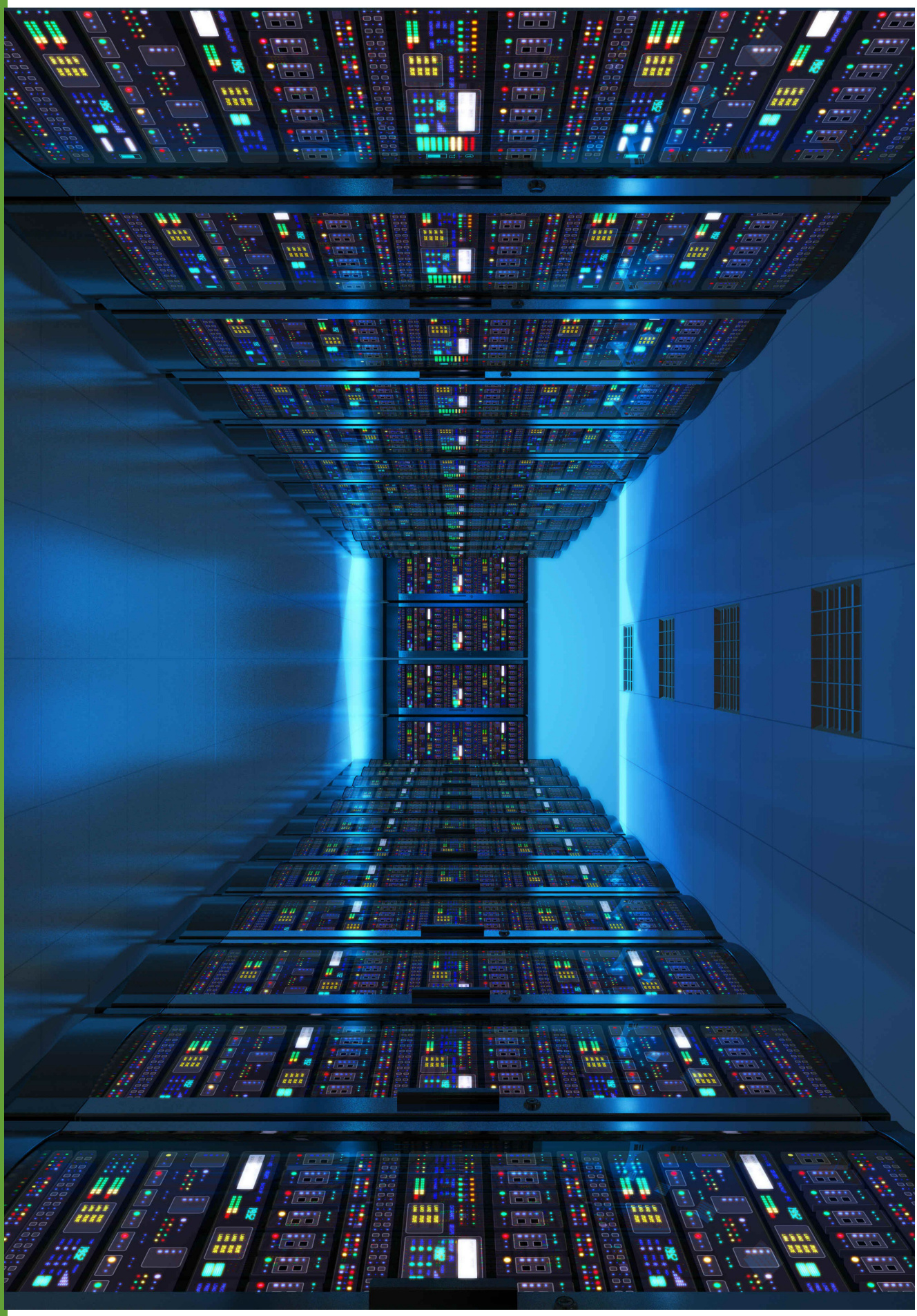
Licensing vs. Capacity

Feature [3]	Power BI in Microsoft Fabric free account	Power BI Pro	Power BI Premium per user	Power BI Premium per capacity (includes Microsoft Fabric)
Create reports with Power BI Desktop[4]	●	●	●	●
Publish reports to share and collaborate		●	●	
Advanced AI, dataflows, datamarts, and XMLA endpoint read/write			●	●
All users can consume content without a paid per-user license[5]				●
Access to all the Microsoft Fabric workloads, including Data Factory, Data Engineering, Data Warehouse, Data Science, Real-Time Analytics, and Data Activator				●
Model memory size limit[6]		1 GB	100 GB	400 GB
Refresh rate for Power BI datasets		8/day	48/day	48/day
Maximum storage (Power BI native storage)		10 GB/user	100 TB	Coming soon
Data security and encryption	●	●	●	●

https://www.popautomation.com/post/power-bi-pro-vs-premium


CRICKET NOISES
imgflip.com

The Warehouse



Bueller?
Bueller?
Bueller?
imgflip.com

The Gateway

2024 and beyond

Report Creation, Data Hub, and the future

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Logos, Templates and Style Guides…Oh my!

Please use the following fonts:

- Segoe UI - Preferred for text & numbers
- Corbel - Backup to Preferred
- DIN
- Segoe UI Light

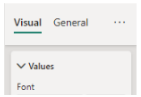
Standards for visuals:

- Font = Segoe UI
- Background setting for visuals and text boxes = Off
- Borders = Off (except on buttons and tile slicers where fill/background are white)

Dropdown Slicer Settings:

- Select slicer you want to edit on page
- Go to Visual section on Format Pane
- Expand the Values section
- All borders should be off/deselected
- Background should be White #ffffff

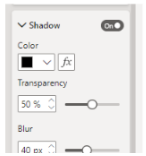
See below for example



Shadow Settings:

- Standard for buttons, dividers, etc.

See below for example



Colors:

Slicers | Page Components | IR Logo Editing | Dax Code | Dashboard Page

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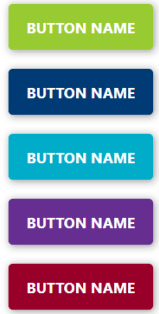
Divider Options

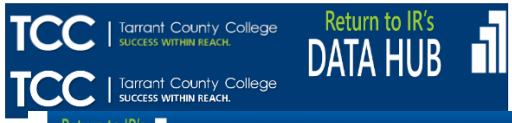
Sample Buttons



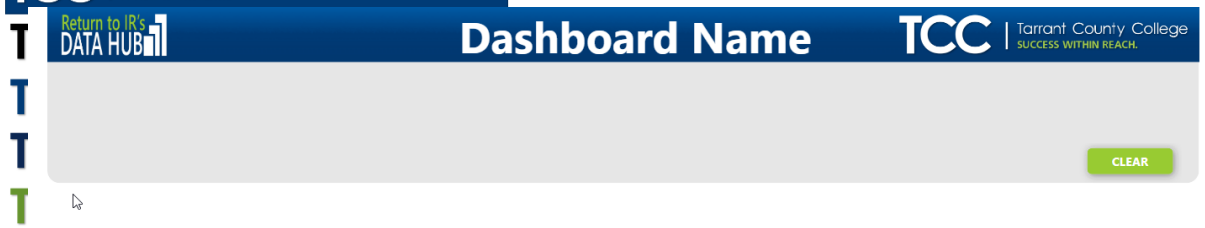
TCC

Slicers | Page Components | IR Logo Editing | Dax Code | Dashboard Page

TCC Logos
Height = 60
Width = 300



Data Hub Logos
Height = 60
Width = 100-150

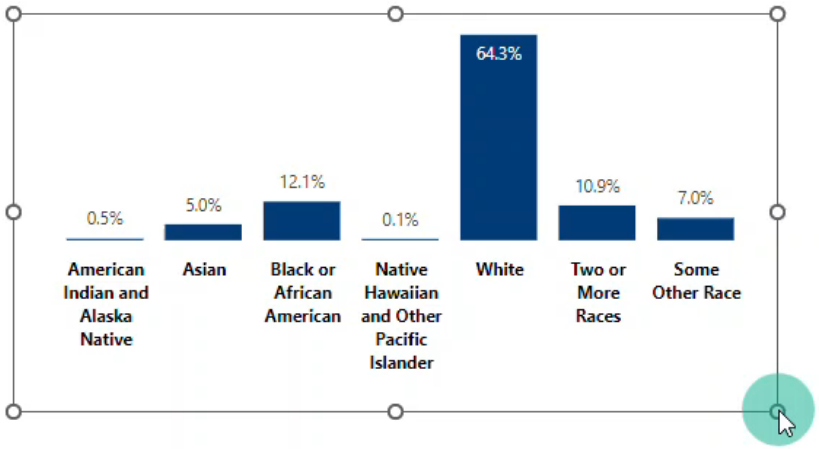


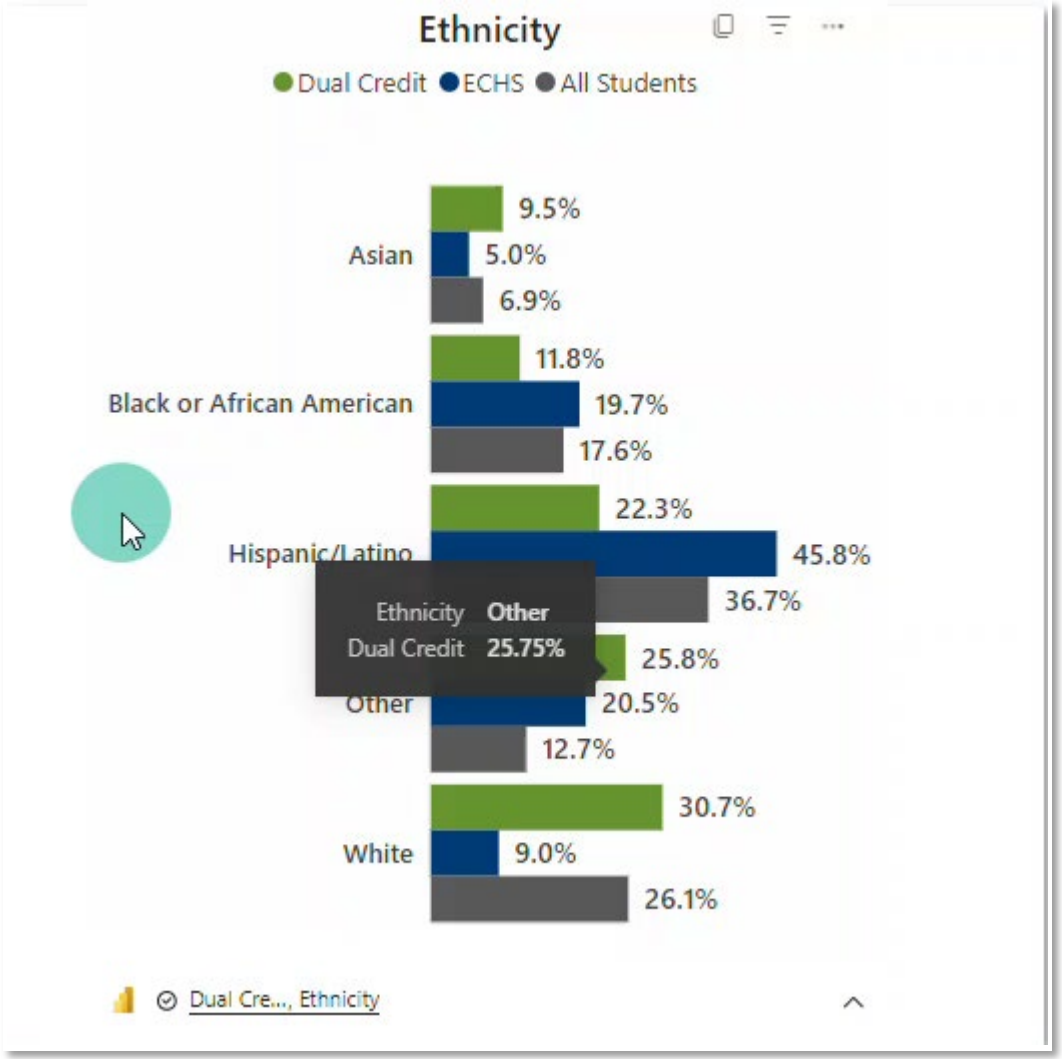
Office of Institutional Research *<Page Name> <Description>* *Last Update: Spring 2022* *Next Update: Spring 2023*

Slicers | Page Components | IR Logo Editing | Dax Code | Dashboard Page

Logos, Templates and Style Guides…Oh my!

Learning Curve and Navigating a New Program





A report a day keeps the data at bay…

But lack of common-sense features, creates forum fix seekers…

https://ideas.fabric.microsoft.com/

What IR Can Offer You video Link

WELCOME TO IR's
DATA HUB
PUBLIC REPORTS & DASHBOARDS
Big Ten Comparison
IPEDS: Peer Comparison
Tarrant County Demographics
*REPORTS & DASHBOARDS WILL OPEN IN NEW TAB
INTERNAL REPORTS & DASHBOARDS
REQUIRES LOGIN
Completions
Course Enrollment Trends
Course Success
Dual Credit/ECHS Flipbook
FTIC Cohort
FTIC First-Year Outcomes
Programs
Progression
Sections
Statistical Handbook
*REPORTS & DASHBOARDS WILL OPEN IN NEW TAB
TARRANT COUNTY COLLEGE
OFFICE OF INSTUTIONAL RESEARCH

Return to IR's DATA HUB

2017-2021 Statistics for Tarrant County

TCC | Tarrant County College SUCCESS WITHIN REACH.

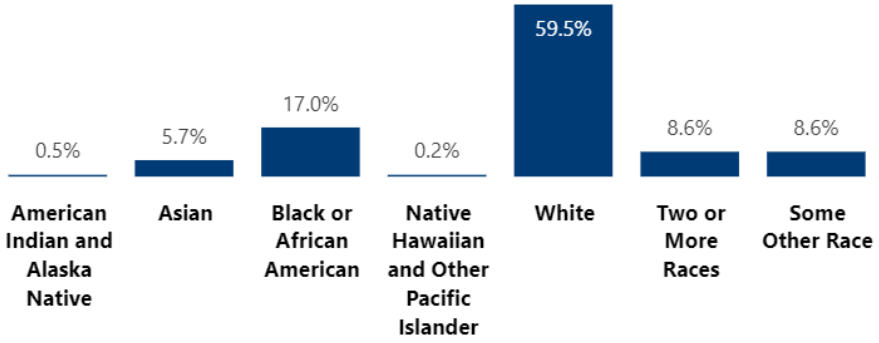
Demographics

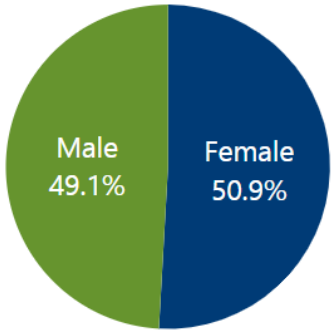
MENU

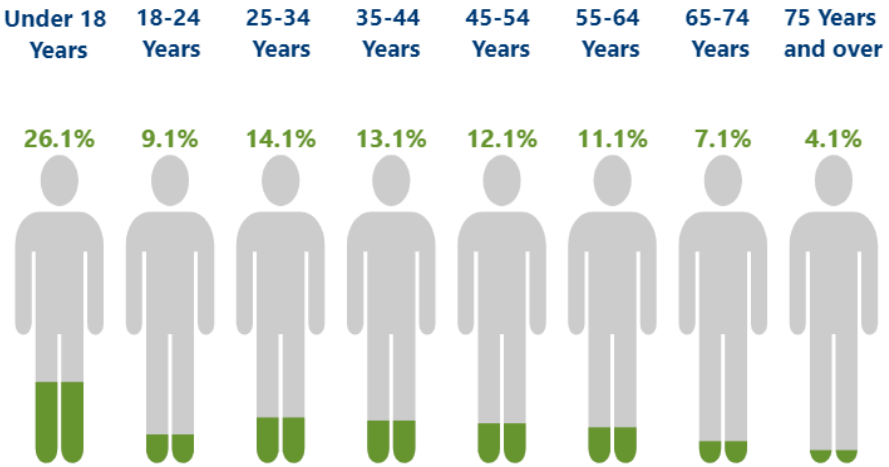
Population for Tarrant County

2,091,953

Hispanic or Latino (of any race) =29.5%



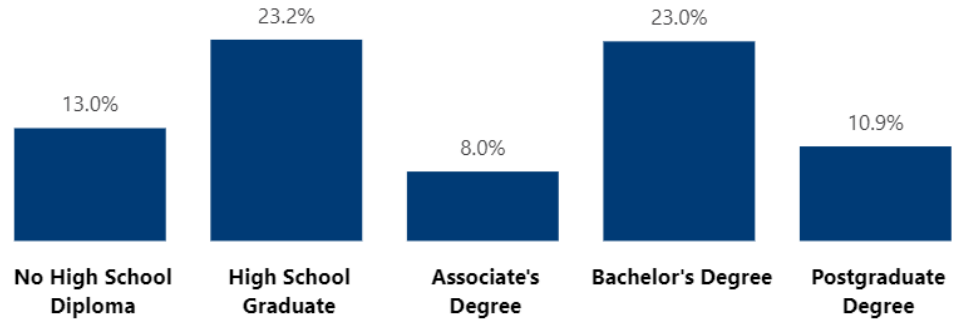




Median Age = 34.8

EDUCATIONAL ATTAINMENT

Age 25 to 64



SOCIAL & ECONOMIC

Median Household Income
$ 73,545

Mean Household Income
$ 99,480

Children in Single Parent Families (% of all children)	34.0%
Disconnected Youth	2.5%
Enrolled in Grade 12 (% of total poplulation)	1.5%
Foreign Born	16.3%
Housholds Receiving Food Stamps/SNAP	10.1%
Poverty Level (of all people)	11.3%
Speaks English Less Than Very Well (population 5 yrs and over)	11.2%

Office of Institutional Research

Demographics from the American Community Survey

Last Update: Spring 2024

Next Update: Fall 2024

Return to IR's DATA HUB

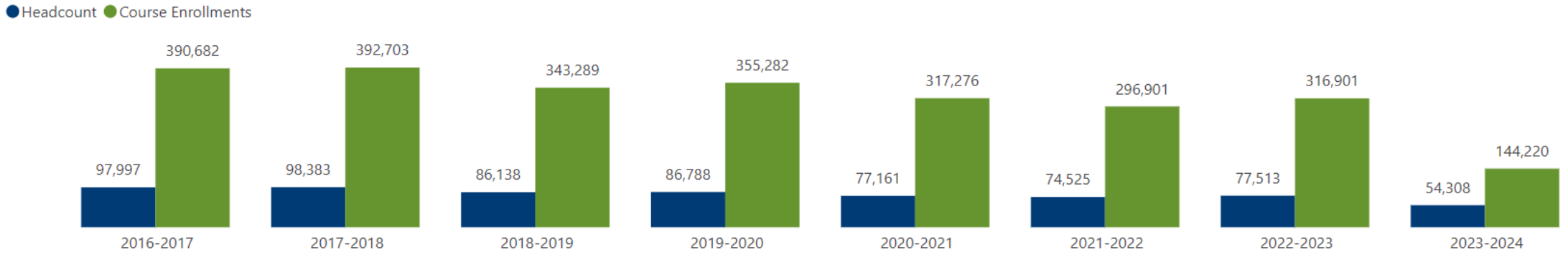
Course Enrollment Trends

TCC | Tarrant County College SUCCESS WITHIN REACH.

Select Headcount/Course Enrollment UG/CE (or both), a time period, and whether to keep or remove credit type N/ contact hours of zero.

Credit (UG) | Non-credit (CE) | Academic Year | FL | Q1 | Q2 | Q3 | Q4 | QE | SP | SU | Keep Credit Type N/ Contact Hours of Zero | Remove Credit Type N/ Contact Hours of Zero | CLEAR FILTERS

Credit (UG), Non-credit (CE) - Academic Year (excudes N/contact hrs=0)



Academic Year	2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024	
Campus	Headcount	Course Enrollments	Headcount	Course Enrollments	Headcount	Course Enrollments	Headcount	Course Enrollments	Headcount	Course Enrollments	Headcount	Course Enrollments	Headcount	Course Enrollments	Headcount	Course Enrollments
CN	22,885	55,719	23,393	58,938	25,030	62,234	26,337	66,570	23,894	55,641	28,691	78,760	29,981	84,602	16,049	31,565
NE	25,459	82,464	25,701	82,932	22,188	68,812	22,779	70,489	26,524	61,613	17,487	53,647	17,282	56,126	11,497	27,464
NW	24,697	74,141	24,511	74,228	20,101	57,862	22,557	63,542	27,624	64,274	18,369	54,616	19,388	56,038	12,529	26,468
SE	22,090	78,165	21,880	76,908	19,556	67,227	19,645	64,516	22,118	54,642	13,433	44,440	13,058	44,608	9,728	21,409
SO	19,519	57,197	20,287	58,085	16,496	48,873	17,423	51,672	21,005	46,319	13,121	37,045	14,851	43,641	10,125	22,540
TR	14,379	42,996	13,685	41,612	12,342	38,281	13,134	38,493	15,029	34,787	9,196	28,393	9,921	31,886	6,696	14,774
Total	**97,997**	**390,682**	**98,383**	**392,703**	**86,138**	**343,289**	**86,788**	**355,282**	**77,161**	**317,276**	**74,525**	**296,901**	**77,513**	**316,901**	**54,308**	**144,220**

Note: If academic year is selected, current academic year (2023-2024) is incomplete; data are through December 2023.

Office of Institutional Research **Summary** *Last Update: Spring 2024* *Next Update: Fall 2024*

Dual Credit & ECHS End of Term Flip Book

RETURN TO MAIN MENU

TCC | Tarrant County College SUCCESS WITHIN REACH.

Campus Slicer: DT | CN | NE | NW | SE | SO | TR

Term: 2020FL | 2021FL | 2022FL | 2023FL

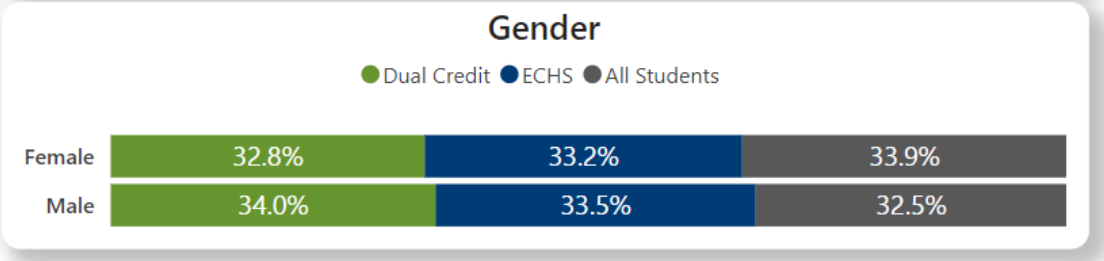
Dual Credit & ECHS Student Demographics - District - End of Term 2023FL

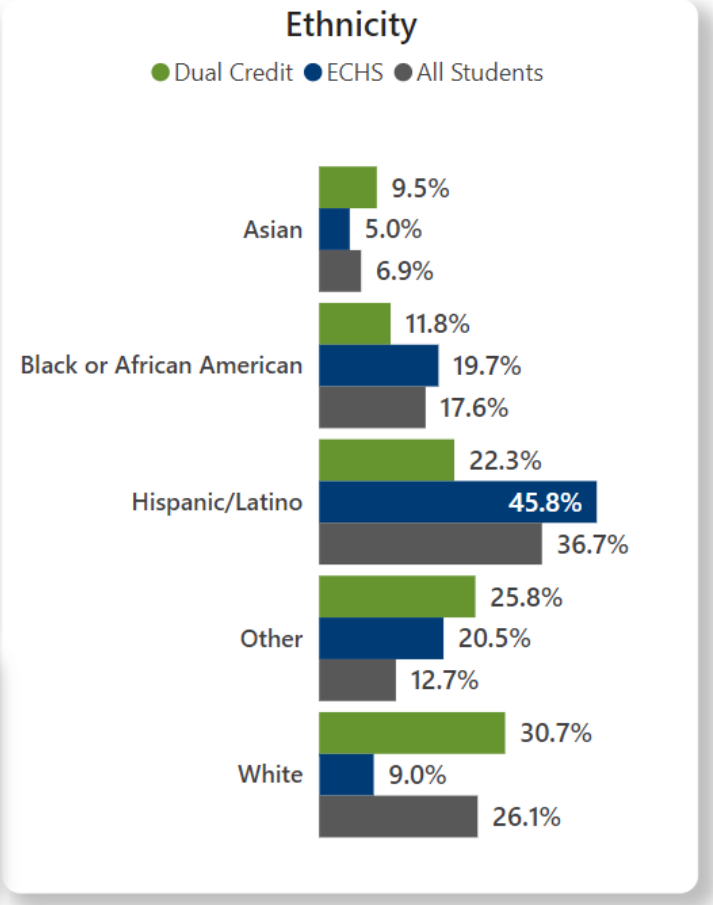
Dual Credit
6,803

ECHS
4,477

All Students
45,447

	Dual Credit		ECHS		All Students	
Gender						
Female	3,787	55.7%	2,520	56.3%	26,150	57.5%
Male	3,016	44.3%	1,957	43.7%	19,297	42.5%
Race/Ethnicity						
American/Alaska Native	21	0.3%	15	0.3%	154	0.3%
Asian	647	9.5%	226	5.0%	3,144	6.9%
Black or African American	802	11.8%	881	19.7%	7,979	17.6%
Hawaiian/Pacific Islander	4	0.1%	3	0.1%	66	0.1%
Hispanic/Latino	1,516	22.3%	2,049	45.8%	16,693	36.7%
Nonresident Alien	7	0.1%	6	0.1%	281	0.6%
Race and ethnicity unknown	1,421	20.9%	767	17.1%	3,528	7.8%
Two or more races	299	4.4%	127	2.8%	1,725	3.8%
White	2,086	30.7%	403	9.0%	11,877	26.1%
Total	6,803	100.0%	4,477	100.0%	45,447	100.0%





NOTE: *Campus determined by the student have a course enrollment at that campus in the specified term.*

Office of Institutional Research

Demographic Summary - Dual Credit & ECHS End of Term Flip Book

Last Update: Spring 2024 *Next Update: Fall 2024*

We've come so far…
But there's miles to go

Thank You!

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Join the ***What the DAX?!*** LinkedIn Group to collaborate and share in a community of Power BI users in Higher Education.