

4-ORGINING INTO THE FUTURE

**Utilizing a Needs-Based Assessment and Power BI Data Visualization
for Actionable Improvements to the Degree Progress Report (DPR)**

Presenters

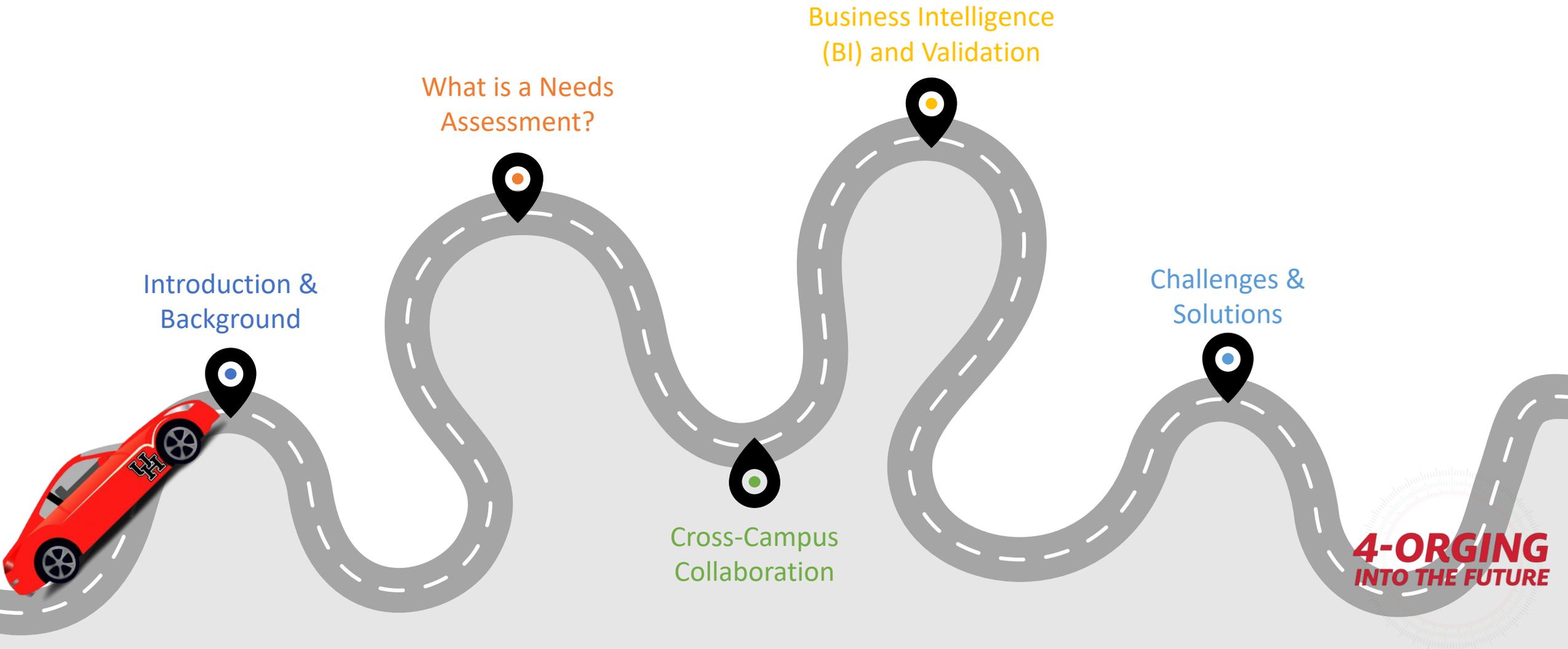
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2 0 2 3 L E A D E R S H I P C O N F E R E N C E

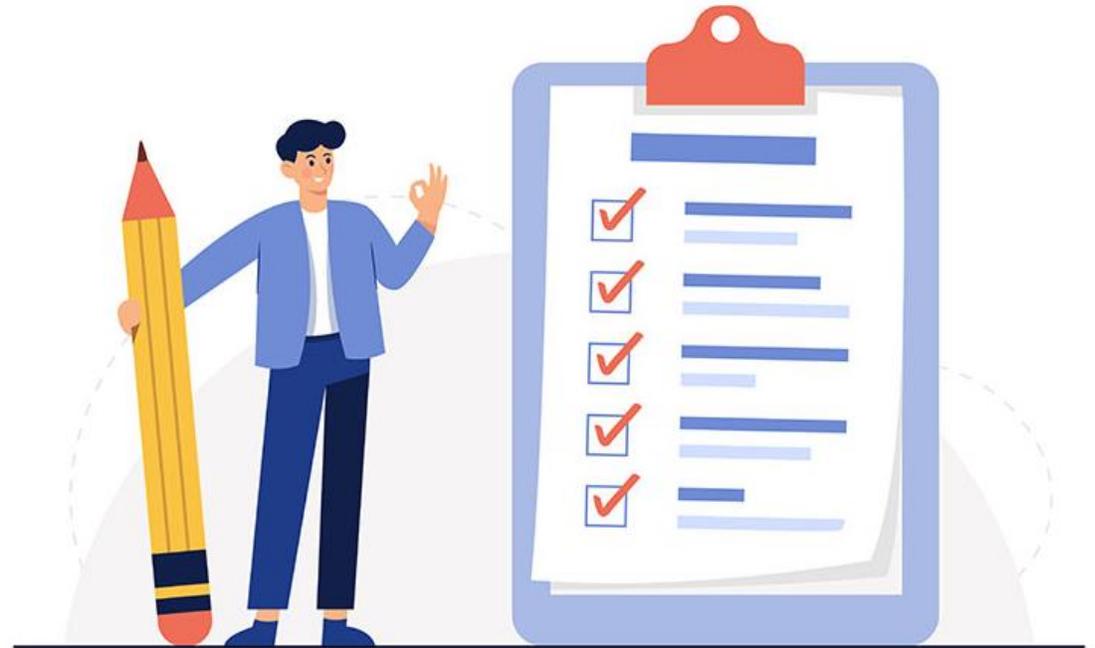
Roadmap



Introduction & Background

What is the Degree Progress Report (DPR)?

- A tool used by students, advisors, and other university staff to determine students' degree progress, eligibility for programs (such as VA benefits), and graduation audit/certification.
- UH began using the DPR around 2007, when PeopleSoft was implemented.
 - DAWGs - Degree Audit Work Group
- Takes into account students' UH credits, transfer credits, and test credits.



What does a DPR look like?

User Interface:

- Collapsible
- Links to Catalog

▶ UGRD Course Limits (RG 2485)

▶ UGRD GPA Calculation (RG 2499)

▶ UGRD Upper Level Requirement (RG 2500)

▶ UH Final Residency (RG 5161)

▶ UGRD Residency (RG 2501)

▶ Core Complete Status (RG 5154)

▶ UGRD Core Fall 2017 (RG 2502)

▶ UGRD TSI Status (RG 2508)

▶ UGRD BA Special Requirements (RG 2504)

▶ 046 CLASS Diversity Requirement (RG10919)

▶ 046 CLASS Block and Limitations (RG 3588)

▶ 046 Psychology, BA (RG 2538)

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▶ UGRD Core Fall 2017 (RG 2502)

▶ UGRD TSI Status (RG 2508)

▶ UGRD BA Special Requirements (RG 2504)

▼ 046 CLASS Diversity Requirement (RG10919)

Satisfied: CLASS Students must complete 3 credit hours from the approved CLASS Diversity list. Please contact your CLASS Major Advisor for Approved Diversity course options.

▼ 046 Diversity Requirement

Satisfied: 046 Diversity Requirement

The following courses were used to satisfy this requirement:

							Personalize	View All	First	1 of 1	Last
Course	Description	Units	When	Grade	Notes	Status					
ANTH2303	Intro To Archaeology	3.00	Fall 2018	B		✓					

▶ 046 CLASS Block and Limitations (RG 3588)

▶ 046 Psychology, BA (RG 2538)





Degree Progress Report for What If Scenario Career Simulation Report

For [REDACTED] prepared on [REDACTED]
Student ID : [REDACTED]

<u>Program</u>	<u>Requirement Term</u>	<u>Requirement Status</u>
Undergraduate Career	Spring 2021	Not Satisfied
LASS Undergraduate Program	Fall 2021	Not Satisfied
Psychology, BA Major	Fall 2021	Not Satisfied
African American Studies Minor	Summer 2022	Not Satisfied

UGRD Course Limits (RG 2485)

Satisfied: Limits on coursework that applies to graduation. (RG 2485)

Developmental Courses

Satisfied: Developmental courses may not be used to satisfy any degree requirements at the University.

UGRD GPA Calculation (RG 2499)

Satisfied: University of Houston General Requirements for a Baccalaureate Degree (RG 2499)

UGRD GPA Calculation (RQ 791)

Satisfied: Undergraduate GPA Requirement

UGRD Graduation GPA

Satisfied: Students must earn a 2.00 minimum cumulative grade point average in courses attempted at the University of Houston.

- **Units:** 48.00 used
- **GPA:** 2.000 required, 3.291 completed

UGRD Upper Level Requirement (RG 2500)

Satisfied: Undergraduate Upper-Level Requirement

36 Upper Level Credit Hours (RQ 818)

Satisfied: At least 36 of the credit hours required for the undergraduate degree must be advanced (junior or senior level).

NOTE: PSYC courses that were advanced courses at UH prior to the Fall 2022 term are still counted as advanced, when taken in Fall 2022, Spring 2023, or Summer 2023, for students on UH catalog/plans prior to Fall 2022.

- **Units:** 36.00 required, 46.00 used

Courses Used

<u>Term</u>	<u>Subject</u>	<u>Catalog Nbr</u>	<u>Course Title</u>	<u>Grade</u>	<u>Units</u>	<u>Type</u>
FA 2021	ENGL	ADVC	English Advc Elec	B	4.00	TR
FA 2021	GENR	ADVC	General Advc Elec	B	3.00	TR
FA 2021	HIST	ADVC	History Advc Elec	A	3.00	TR
FA 2021	HIST	3353	England To 1689	B-	3.00	EN
FA 2021	HIST	3379	World Civ To 1500	C+	3.00	EN
FA 2021	HIST	4369	Modern Mexico 1810 To Present	B	3.00	EN
SP 2022	HIST	3328	Colonial North Amer 1450-1765	C	3.00	EN

PDF Report:

- Typically 10+ pages
- Static/Not Collapsible
- Not interactive

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So...what's the problem?

- There are many inconsistencies in DPR programming.
- Updates are often made in the academic catalog annually...DPRs may or may not be updated when this occurs.
- Training on programming the DPR is not regulated.
- There is no tracking of who made what updates, when they are made, and why they are made.
- Honestly...it's ugly and not always user-friendly.



What is a Needs Assessment?

“A comprehensive needs assessment plan can identify gaps, the causes of those gaps, potential solutions, an implementation plan, and evaluation of the change.”

- Kaufman & Guerra-López, 2013

“Student affairs professionals do not have to conduct a needs assessment every year, but they cannot rely on ‘we’ve always done it that way’ as a reason not to do it.”

- Henning & Roberts, 2016

Components of Needs Assessment

1. Identify gaps and define stakeholders
2. Collect data from stakeholders
3. Analyze data and compile into a report of findings
4. Share the findings
5. Implement the processes



Individual thoughts



Brrr...I'm cold!
Better turn this
ceiling fan off!

It's so chilly in
here!...then again,
I'm always cold...

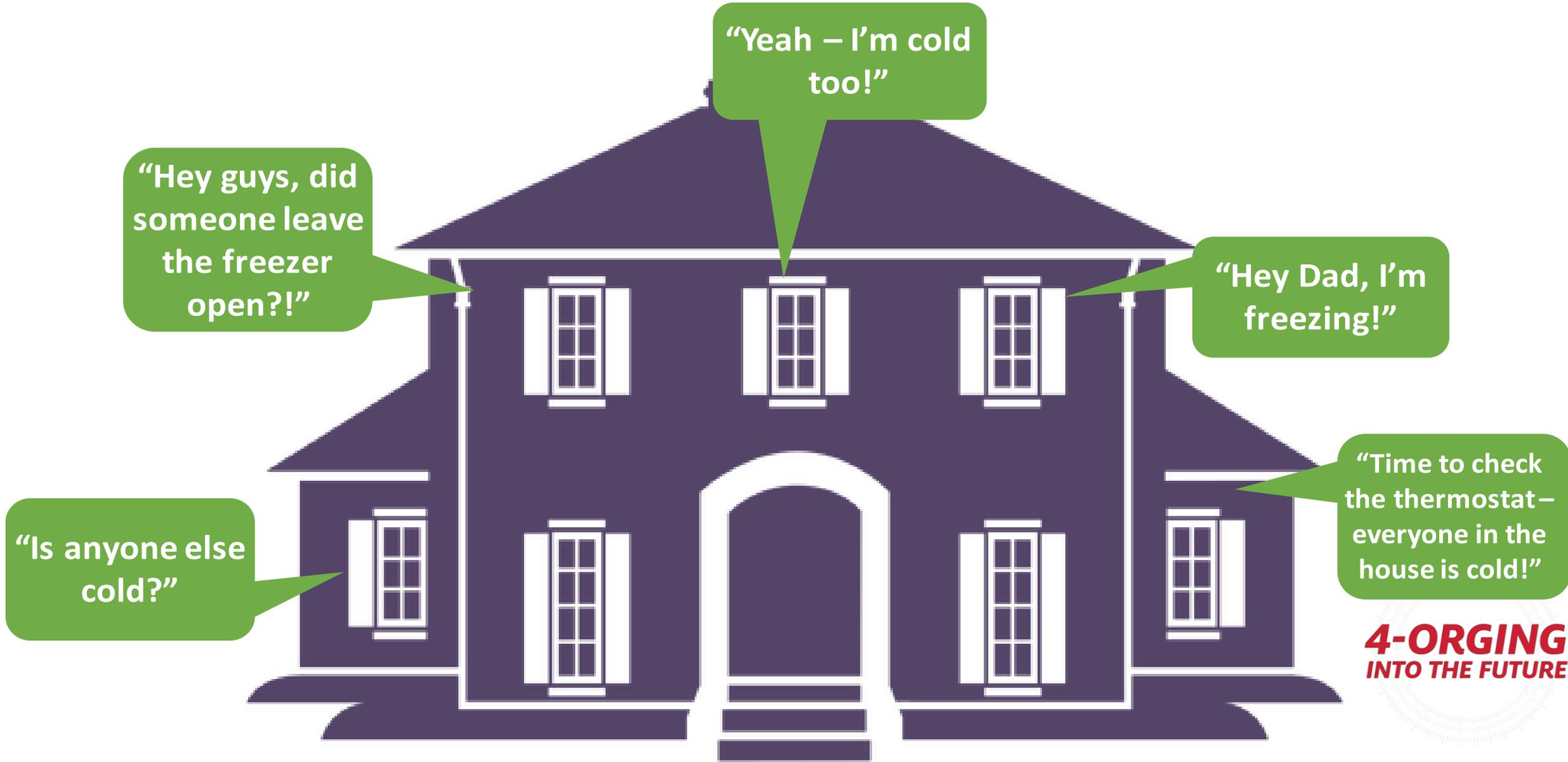
Let me grab
this blanket -
I'm freezing!

It feels a lot
colder in here
today, I wonder
why?

Did someone turn
the A/C down?
Hmm, maybe I'm
just imagining it?

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Communication & Collaboration



Open communication
+
Collaborating with
others within the
house (or university)
=
A sense of solidarity
that can lead to
identifying and
solving shared issues.



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Cross-Campus Collaboration

Data Collection: Microsoft Forms Questionnaire

- October 2022: Sent out to Associate Deans, to forward to undergraduate advising leads and those who work with students' DPRs.
- *Analysis of responses; prioritized by what was frequently mentioned as an issue*

More Data Collection: College Meetings

- November 2022: Met with each college individually, including Honors College and the Undergraduate Academic Affairs office.
- *Analysis of responses; prioritized by what was frequently mentioned as an issue*

Feedback & Engagement: Campus-wide DPR Meetup

- February 2023: Met with Associate Deans, advising leads, and other relevant staff all together.
- *Dissemination of the findings report prior to this meeting*

Campus-wide DPR Meetup

Engagement:

Assigned seating with others who are not in the same department

➤ *Activity #1: Findings report teach-back*

Groups were then reassigned into tables with their usual teams

➤ *Activity #2: Drawing a fantasy DPR*

Prior to campus-wide meeting, participants were given the findings report and asked to compile a list of their “Top 5” items.

➤ *Activity #3: Share “Top 5” with groups*



Short-term solutions were proposed for mid- to high-priority items that affected many areas. These solutions were mid- to low-complexity.

Short-term solutions

Collaborative brainstorming led to innovative ideas

Results of Assessment/ Actionable Items

“Quick wins”

Quick wins are important to driving the momentum of implementing short- and long-term solutions.

Long-term solutions

Business Intelligence (BI) and Validation:

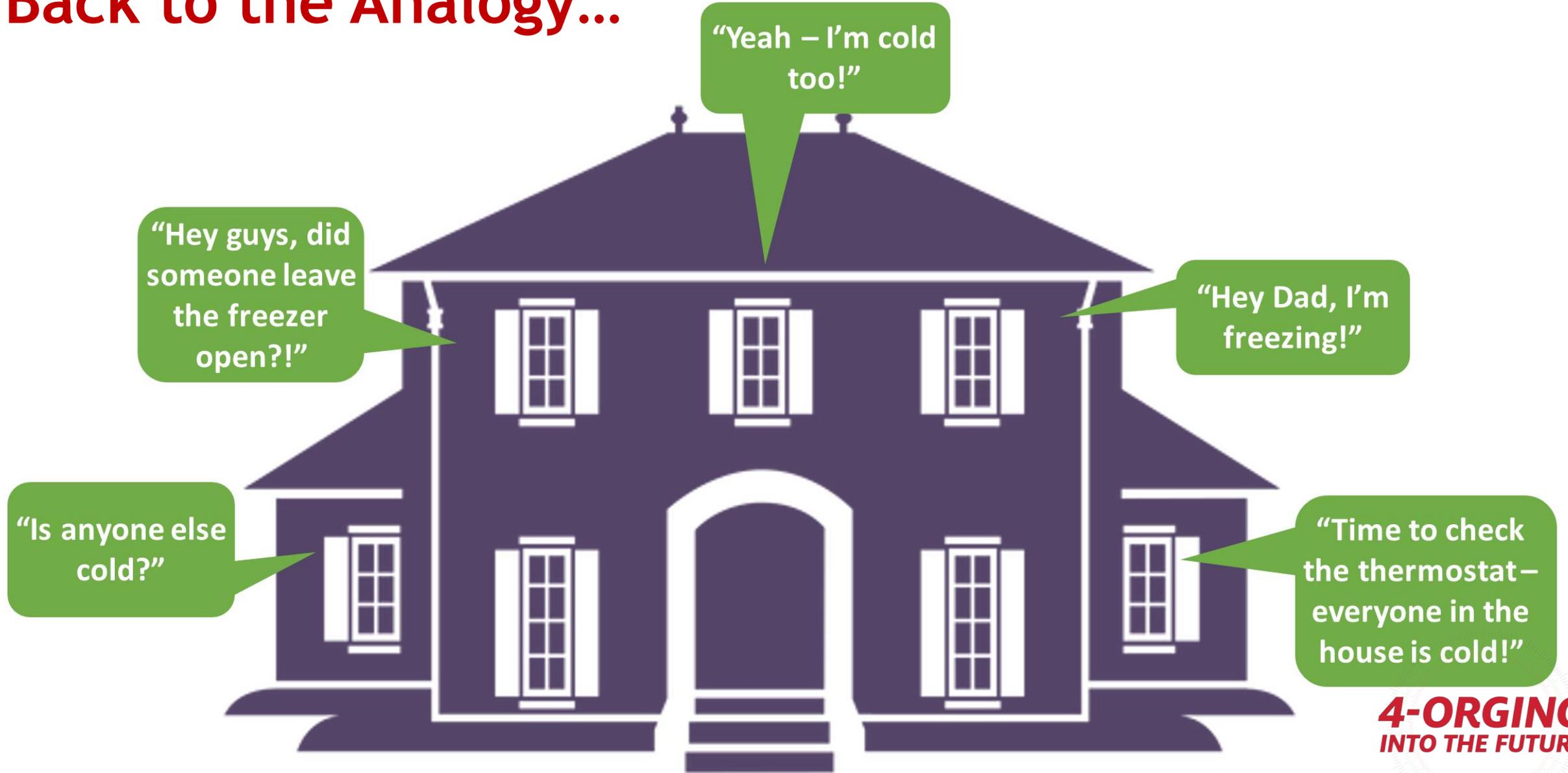
What is Power BI?

Power BI is a business analytics tool developed by Microsoft that provides interactive visualizations and business intelligence capabilities.



- **Data Centralization and Organization** - Consolidation of data from multiple sources into a single organized dataset
- **Visual Insights** - Enables representations of complex data aiding in identifying patterns and outliers.
- **Interactive Exploration** - Users can interact with the data, drill down into details, and perform ad-hoc analysis

Back to the Analogy...



Validation



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How Power BI is Used

Data Visualization and Reporting

Power BI allows users to create visually appealing reports and dashboards to represent data effectively.

Users can explore data, drill down into details, and gain insights through interactive visualizations.

Data Exploration and Analysis

Power BI provides capabilities to explore and analyze data, uncover patterns, and identify trends. Users can create interactive data models and perform calculations and aggregations.

Decision Support and Monitoring

Power BI facilitates real-time monitoring of key performance indicators (KPIs) and metrics. Users can track progress, identify anomalies, and make data-driven decisions.

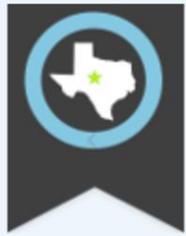
Collaboration and Sharing

Power BI enables users to collaborate with colleagues, share reports, and work together on data analysis projects.

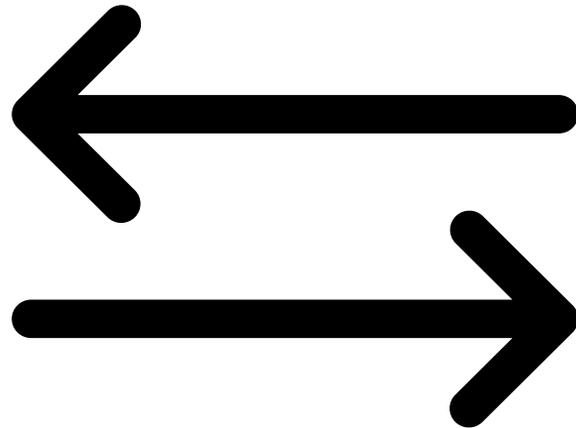


Power BI in Action - Background

Texas Common Course Numbering System (TCCNS)



Texas Common Course
Numbering System



- The Texas Common Course Numbering System (TCCNS) is a standardized course numbering and transfer system used by public colleges and universities in Texas.
- It provides a common framework for students to easily transfer course credits between institutions. TCCNS ensures consistent course equivalencies, facilitating smoother transitions and degree completion for students transferring within the Texas higher education system.
- Every year the Texas Common Course Numbering System releases their approved course equivalent list in the form of a pivoted table released on their website: www.tccns.org.

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Transfer Credit Petition eForm

The transfer credit petition is a student-initiated workflow in PeopleSoft via GT eForms.



Student data is used to prepare a form for review by representatives from the college of the courses the student is requesting to be reviewed (for example, biology courses are reviewed by College of Natural Sciences and Mathematics).



Each college has reviewers that then evaluate the course by reviewing schedule/syllabus/transcript information and approve or deny the request, based on said review.



Reviewers can suggest a request be made into a "rule" that will allow future instances of this course to evaluate to the approved course without faculty/department review.

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Transfer Credit Petition eForm

	*Transfer Institution ◇	*Subject Area ◇	*Transfer Catalog Nbr ◇	*Course Title ◇	UH Subject Area ◇	Catalog Nbr ◇	Grade ◇	Credits Transferred ◇	Credits Taken (External) ◇	Insert A Row	Delete A Row
1	001166	BIOL	125	Principles of Biology II	BIOL	ELEC	C	5.000000	5.00	+	-

Transfer Credit Request

Select whether you are requesting a transfer course be considered for core credit, direct equivalency or both. If you are unsure you may select "Unknown" and request assistance from your Major or Program Advisor.

Core – A set of required core curriculum courses within a component area approved by the Texas Higher Education Coordinating Board and specifically designated by the University of Houston. All students must complete Texas core curriculum requirements (completion of 42 semester credit hours) before receiving an academic undergraduate degree at the University of Houston. A student may petition to receive core credit to satisfy one or more component areas of the university's core requirements.

Direct Equivalency – A formal review of specific course content between both institutions to determine the applicable course equivalency. A student may petition to receive direct course equivalency for transferrable coursework earned at another external institution with a C- or better grade to fulfill the university's program requirements. Please note students may be required to submit additional documentation such as course syllabi and course descriptions.

Core & Direct Equivalency – A formal review of specific course content between both institutions to determine the applicable course equivalency and core requirement. A student may petition to receive core credit and direct course equivalency to fulfill the university's core and program requirements.

*UH Subject Area BIOL (Biology)

*UH Catalog NBR Biology for Science Majors II

*Core Credit or Direct Equivalency

Core Area

Total External Credits

Desired Core Area

UH Course Credits

Additional Transfer Information:

Expected to Graduate in Next 12 Months No

PreReq For Upcoming Course Enrollment Yes

Requirement For Major Yes

Requirement For Minor No



Again...what is the problem?

In our meeting with campus groups almost every group spoke to issues with Transfer Credits - with most concerns about the appearance of TCCNS-designated courses showing up for review by faculty (when this should have been automatic).

In some cases, TCCNS-designated courses were reviewed and sometimes denied by reviewers. In other cases, the designated external course had another UH course approved for equivalency (not reported via TCCNS).

The overall ambiguity on transfer course rules was also a big concern as this hindered advisors' ability to properly identify courses for their students.



Transfer Credit Rule Validation - The Process

1. Identify TCCNS List and Rules Query

- We began by identifying the TCCNS list of courses as the foundational dataset for transfer credit analysis.
- We also obtained a query from admissions to identify the rules that were created.

2. Unpivot and Create Lookup IDs

- To facilitate data integration, we unpivoted the TCCNS list from the THECB Core Curriculum WebCenter.
- Lookup IDs were then created as unique identifiers using common field headers from both data sets, such as FICE number, subject, catalog number, and course ID.

3. Establish Relationships and Reporting

- With Lookup IDs, we established a relationship between the two tables.
- This enabled us to start reporting and analyzing the transfer credit data



Transfer Credit Rule Validation - The Process (cont.)

4. Additional Metrics with Conditional Columns and DAX

- We enhanced the reporting capabilities by creating additional metrics using conditional columns and DAX calculations.
- These metrics provided deeper insights into the transfer credit details.

5. Reporting Results: % Confirmed by External School

- One of the key metrics we examined was the percentage of confirmed transfers by the external school.
- Our reporting showcased matches and validated transfer credits, providing important information for decision-making.



TCCNS WebCenter Report - Not exactly the easiest data to work with

		FICE Code	3537	3539	3540	6661
		CEEB Code	1003537	1003539	1003540	1006661
Common Course Title	Common	Common	Abilene Christian University	Alvin Community College	Amarillo College	Angelina College
Principles of Financial Accounting	ACCT	2301	ACCT 210	ACCT 2301	ACCT 2301	ACCT 2301
Principles of Managerial Accounting	ACCT	2302	ACCT 211	ACCT 2302	ACCT 2302	ACCT 2302
Principles of Financial Accounting	ACCT	2401	ACCT 210			
Principles of Managerial Accounting	ACCT	2402	ACCT 211			
Agronomy (lab)	AGRI	1107				
Horticulture (lab)	AGRI	1115				
Introductory Animal Science (lab)	AGRI	1119				
The Agricultural Industry	AGRI	1131				
Agronomy	AGRI	1307				
Computers in Agriculture	AGRI	1309				
Dairy Science	AGRI	1311				
Horticulture	AGRI	1315				
Introductory Animal Science	AGRI	1319	ANSC 111			
Marketing of Agricultural Products	AGRI	1325				
Principles of Food Science	AGRI	1329	NUTR 222			
Agronomy (lecture +lab)	AGRI	1407			AGRI 1407	
Horticulture (lecture + lab)	AGRI	1415				
Introductory Animal Science (lecture + lab)	AGRI	1419	ANSC 111			
Agricultural Power Units	AGRI	2301				
Agricultural Construction	AGRI	2303				
Introduction to Agricultural Economics	AGRI	2317	AGRB 261			
Livestock Evaluation	AGRI	2321				
Wildlife Conservation & Management	AGRI	2330				
Physical Anthropology (lab)	ANTH	2101				

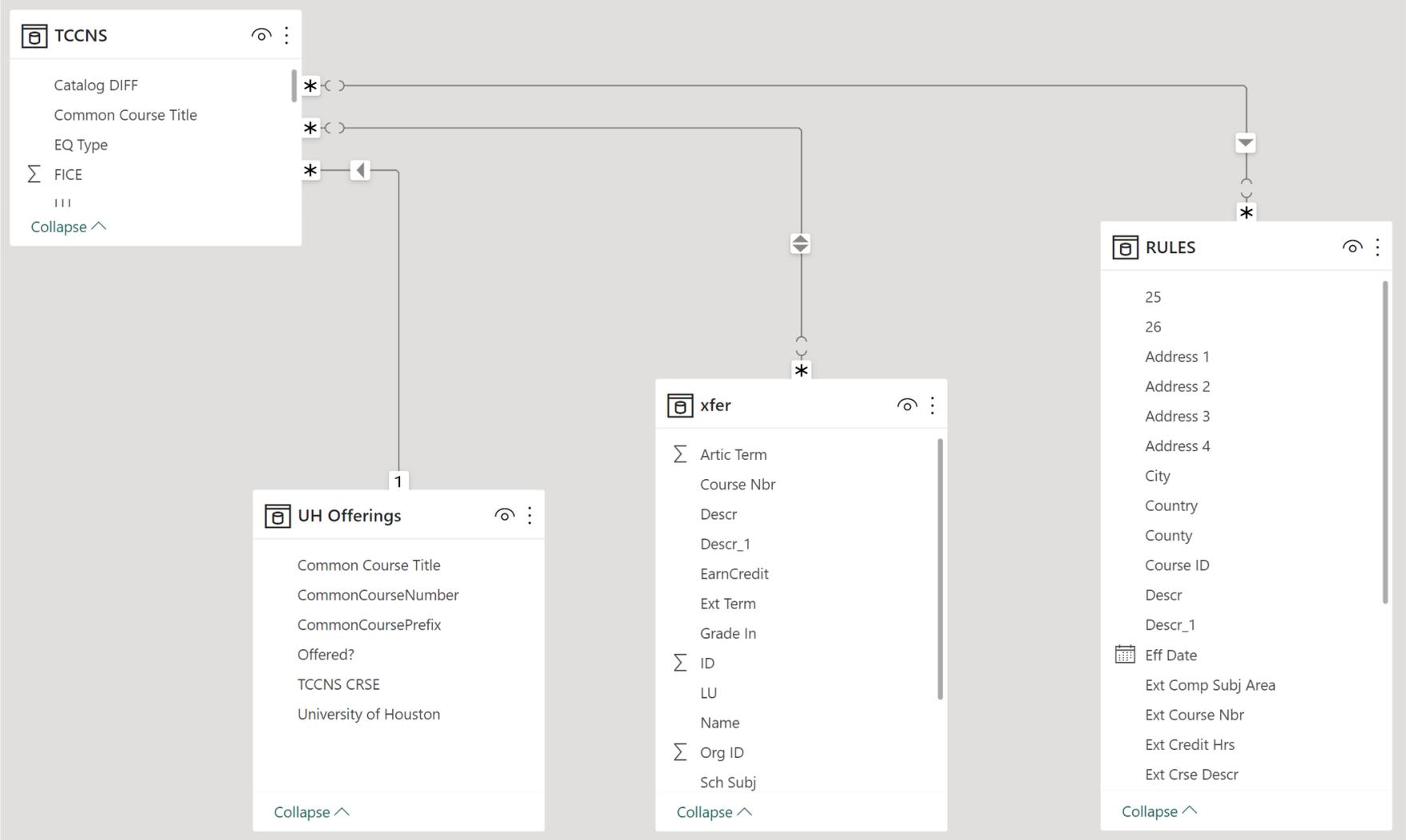


What needs to be done?

- Transform into unpivoted table format / create row-record based table by school ID and course info
- Concatenate values (subject/catalog) / create standard field headers
- Create secondary table on all UH reported courses (courses offered that count for a respective TCCNS course).

School and #	FICE	TCCNS Course	Common Course Title	EXT Course
Abilene Christian University - 3537	3537	ACCT 2301	Principles of Financial Accounting	ACCT 210
Abilene Christian University - 3537	3537	ACCT 2302	Principles of Managerial Accounting	ACCT 211
Abilene Christian University - 3537	3537	ACCT 2401	Principles of Financial Accounting	ACCT 210
Abilene Christian University - 3537	3537	ACCT 2402	Principles of Managerial Accounting	ACCT 211
Abilene Christian University - 3537	3537	AGRI 1319	Introductory Animal Science	ANSC 111
Abilene Christian University - 3537	3537	AGRI 1329	Principles of Food Science	NUTR 222
Abilene Christian University - 3537	3537	AGRI 1419	Introductory Animal Science (lecture + lab)	ANSC 111
Abilene Christian University - 3537	3537	AGRI 2317	Introduction to Agricultural Economics	AGRB 261
Abilene Christian University - 3537	3537	ANTH 2301	Physical Anthropology	ANTH 101
Abilene Christian University - 3537	3537	ANTH 2346	General Anthropology	ANTH 101
Abilene Christian University - 3537	3537	ANTH 2351	Cultural Anthropology	ANTH 101
Abilene Christian University - 3537	3537	ARTS 1301	Art Appreciation	ART 101
Abilene Christian University - 3537	3537	ARTS 1303	Art History I (Prehistoric to the 14th Century)	ART 221
Abilene Christian University - 3537	3537	ARTS 1304	Art History II (14th Century to the Present)	ART 222
Abilene Christian University - 3537	3537	ARTS 1311	Design I (2-Dimensional)	ART 105

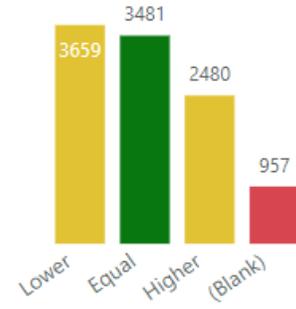
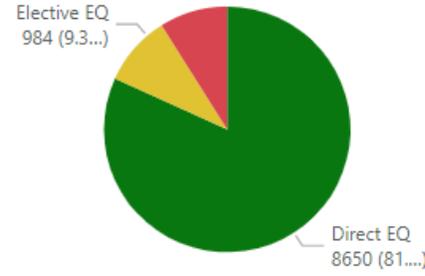
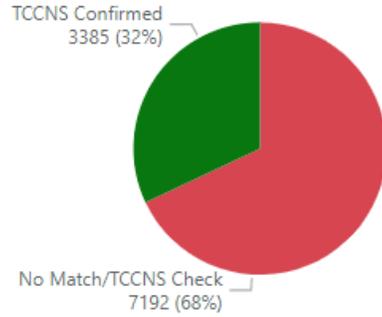
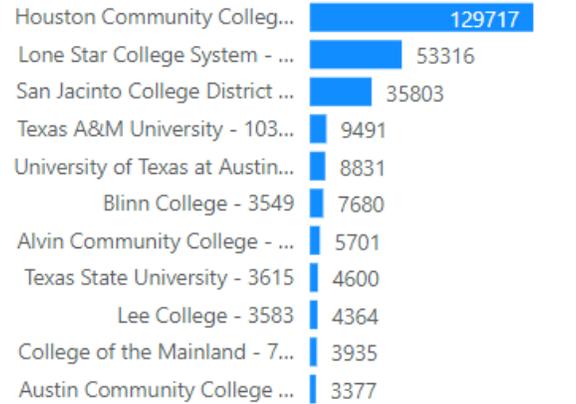
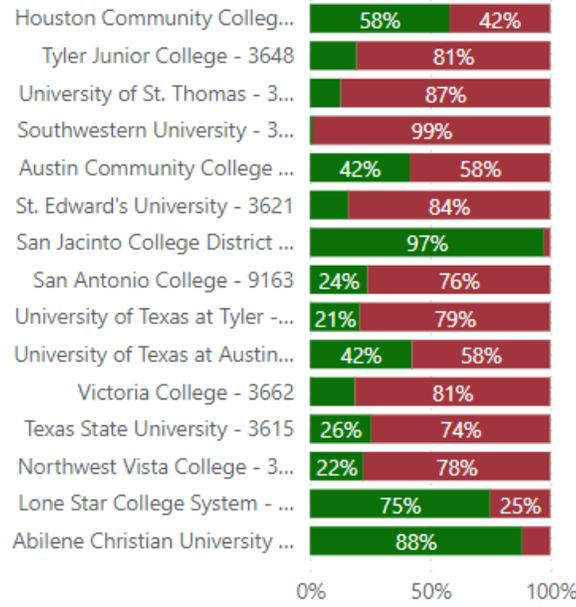
Transfer Credit Rule Validation - Relationships with a simple data model



All

TCCNS Match

● TCCNS Confirmed ● No Match/TCCNS Check



Schools: 102
 Courses: 203
 Records: 10,577
 Transfer Requests: 304,785

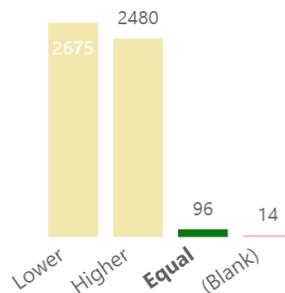
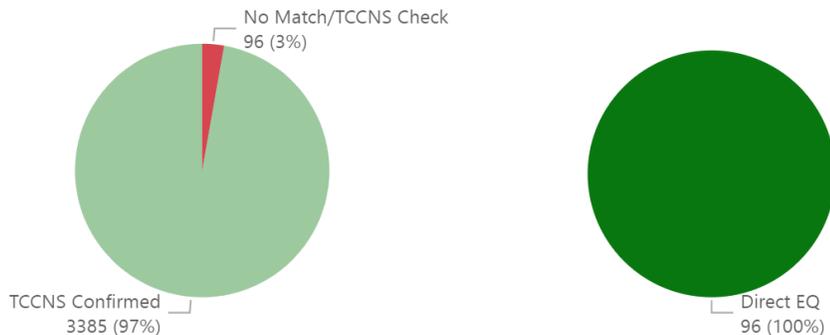
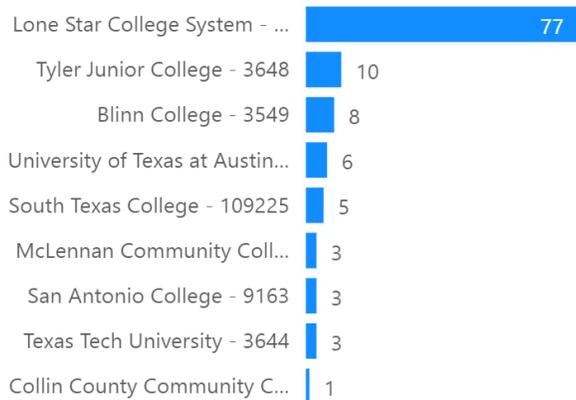
School and #	Count of LU	EQ Type	TCCNS EXT Course	TCCNS EQ Course	UH EQ	University of Houston RPTd	Match	Eff Date
Houston Community College System - 10633	10936	Direct EQ	ENGL1302	ENGL 1302	ENGL 1302	ENGL 1302	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	10843	Direct EQ	HIST1301	HIST 1301	HIST 1301	HIST 1301	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	10617	Direct EQ	HIST1302	HIST 1302	HIST 1302	HIST 1302	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	10214	Direct EQ	ENGL1301	ENGL 1301	ENGL 1301	ENGL 1301	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	7703	Direct EQ	MATH1314	MATH 1314	MATH 1314	MATH 1314	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	7402	Direct EQ	PSYC2301	PSYC 2301	PSYC 2301	PSYC 2301	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	6191	Direct EQ	SOCI1301	SOCI 1301	SOCI 1301	SOCI 1301	TCCNS Confirmed	Monday, A
Lone Star College System - 11145	4588	Direct EQ	HIST1301	HIST 1301	HIST 1301	HIST 1301	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	4576	Direct EQ	ECON2301	ECON 2301	ECON 2301	ECON 2301	TCCNS Confirmed	Monday, A
Lone Star College System - 11145	4433	Direct EQ	ENGL1301	ENGL 1301	ENGL 1301	ENGL 1301	TCCNS Confirmed	Monday, A
Lone Star College System - 11145	4381	Direct EQ	HIST1302	HIST 1302	HIST 1302	HIST 1302	TCCNS Confirmed	Monday, A
Lone Star College System - 11145	4363	Direct EQ	ENGL1302	ENGL 1302	ENGL 1302	ENGL 1302	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	4323	Direct EQ	MATH1324	MATH 1324	MATH 1324	MATH 1324	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	4130	Direct EQ	ARTS1303	ARTS 1303	ARTH 1380	ARTS 1303	No Match/TCCNS Check	Tuesday, J
Houston Community College System - 10633	3603	Direct EQ	ECON2302	ECON 2302	ECON 2302	ECON 2302	TCCNS Confirmed	Monday, A
San Jacinto College District - 3609	3528	Direct EQ	HIST1302	HIST 1302	HIST 1302	HIST 1302	TCCNS Confirmed	Monday, A
San Jacinto College District - 3609	3524	Direct EQ	HIST1301	HIST 1301	HIST 1301	HIST 1301	TCCNS Confirmed	Monday, A
San Jacinto College District - 3609	3475	Direct EQ	ENGL1301	ENGL 1301	ENGL 1301	ENGL 1301	TCCNS Confirmed	Monday, A
San Jacinto College District - 3609	3452	Direct EQ	ENGL1302	ENGL 1302	ENGL 1302	ENGL 1302	TCCNS Confirmed	Monday, A
Lone Star College System - 11145	3285	Direct EQ	MATH1314	MATH 1314	MATH 1314	MATH 1314	TCCNS Confirmed	Monday, A
Lone Star College System - 11145	3087	Direct EQ	PSYC2301	PSYC 2301	PSYC 2301	PSYC 2301	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	2936	Direct EQ	CHEM1411	CHEM 1411	CHEM 1311	CHEM 1311	TCCNS Confirmed	Tuesday, J
Houston Community College System - 10633	2936	Direct EQ	CHEM1411	CHEM 1411	CHEM 1311	CHEM 1311	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	2936	Direct EQ	CHEM1411	CHEM 1411	CHEM 1331	CHEM 1311	No Match/TCCNS Check	Tuesday, J
Houston Community College System - 10633	2936	Direct EQ	CHEM1411	CHEM 1411	CHEM 1331	CHEM 1311	No Match/TCCNS Check	Monday, A
Houston Community College System - 10633	2779	Direct EQ	MATH1325	MATH 1325	MATH 1325	MATH 1325	TCCNS Confirmed	Monday, A
Houston Community College System - 10633	2612	Direct EQ	ACCT2301	ACCT 2301	ACCT 2301	ACCT 2301	TCCNS Confirmed	Monday, A

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All

TCCNS Match

● No Match/TCCNS Check



Schools: 25
Courses: 10
Records: 96
Transfer Requests: 116

School and #	Unit of LU	EQ Type	TCCNS EXT Course	EQ Course	EQ	University of Houston RPTd	Match	Eff Date
Lone Star College System - 11145	39	Direct EQ	SGNL1401	SGNL 1401	COMD 1301	SINGL 1301	No Match/TCCNS Check	Tuesday, Jan
Lone Star College System - 11145	39	Direct EQ	SGNL1401	SGNL 1401	COMD 1301	SINGL 1301	No Match/TCCNS Check	Monday, Au
Lone Star College System - 11145	39	Direct EQ	SGNL1401	SGNL 1401	SGNL 1301	SINGL 1301	No Match/TCCNS Check	Tuesday, Jar
Lone Star College System - 11145	39	Direct EQ	SGNL1401	SGNL 1401	SGNL 1301	SINGL 1301	No Match/TCCNS Check	Monday, Au
Lone Star College System - 11145	21	Direct EQ	SGNL1402	SGNL 1402	COMD 1302	SINGL 1302	No Match/TCCNS Check	Tuesday, Jar
Lone Star College System - 11145	21	Direct EQ	SGNL1402	SGNL 1402	COMD 1302	SINGL 1302	No Match/TCCNS Check	Monday, Au
Lone Star College System - 11145	10	Direct EQ	SGNL2301	SGNL 2301	COMD 2301	SINGL 2301	No Match/TCCNS Check	Tuesday, Jar
Lone Star College System - 11145	10	Direct EQ	SGNL2301	SGNL 2301	COMD 2301	SINGL 2301	No Match/TCCNS Check	Monday, Au
Lone Star College System - 11145	7	Direct EQ	SGNL2302	SGNL 2302	COMD 2302	SINGL 2302	No Match/TCCNS Check	Tuesday, Jar
Lone Star College System - 11145	7	Direct EQ	SGNL2302	SGNL 2302	COMD 2302	SINGL 2302	No Match/TCCNS Check	Monday, Au
Blinn College - 3549	5	Direct EQ	SGNL1401	SGNL 1401	COMD 1301	SINGL 1301	No Match/TCCNS Check	Tuesday, Jar
South Texas College - 109225	3	Direct EQ	SGNL1301	SGNL 1301	ASLI 1301	SINGL 1301	No Match/TCCNS Check	Tuesday, Au
Tyler Junior College - 3648	3	Direct EQ	SGNL1402	SGNL 1402	ASLI 1302	SINGL 1302	No Match/TCCNS Check	Tuesday, Jar
Tyler Junior College - 3648	3	Direct EQ	SGNL2301	SGNL 2301	ASLI 2301	SINGL 2301	No Match/TCCNS Check	Sunday, Jan
Tyler Junior College - 3648	3	Direct EQ	SGNL2301	SGNL 2301	ASLI 2301	SINGL 2301	No Match/TCCNS Check	Tuesday, Jar
University of Texas at Austin - 3658	3	Direct EQ	ASL312K	SGNL 2301	COMD 2301	SINGL 2301	No Match/TCCNS Check	Tuesday, Jar
University of Texas at Austin - 3658	3	Direct EQ	ASL312L	SGNL 2302	COMD 2302	SINGL 2302	No Match/TCCNS Check	Tuesday, Jar
Blinn College - 3549	2	Direct EQ	SGNL1402	SGNL 1402	COMD 1302	SINGL 1302	No Match/TCCNS Check	Tuesday, Jar
McLennan Community College - 3590	2	Direct EQ	SGNL1401	SGNL 1401	ASLI 1301	SINGL 1301	No Match/TCCNS Check	Saturday, Au
South Texas College - 109225	2	Direct EQ	SGNL1302	SGNL 1302	ASLI 1302	SINGL 1302	No Match/TCCNS Check	Tuesday, Au
Texas Tech University - 3644	2	Direct EQ	ASL1301	SGNL 1301	ASLI 1301	SINGL 1301	No Match/TCCNS Check	Monday, Au
Texas Tech University - 3644	2	Direct EQ	ASL1301	SGNL 1401	ASLI 1301	SINGL 1301	No Match/TCCNS Check	Monday, Au
Tyler Junior College - 3648	2	Direct EQ	SGNL1401	SGNL 1401	ASLI 1301	SINGL 1301	No Match/TCCNS Check	Tuesday, Jar
Tyler Junior College - 3648	2	Direct EQ	SGNL2302	SGNL 2302	ASLI 2302	SINGL 2302	No Match/TCCNS Check	Tuesday, Jar
Tyler Junior College - 3648	2	Direct EQ	SGNL2302	SGNL 2302	ASLI 2302	SINGL 2302	No Match/TCCNS Check	Tuesday, Jar
Blinn College - 3549	1	Direct EQ	SGNL2302	SGNL 2302	COMD 2302	SINGL 2302	No Match/TCCNS Check	Tuesday, Jar
Collin County Community College District - 23614	1	Direct EQ	SGNL1401	SGNL 1401	ASLI 1301	SINGL 1301	No Match/TCCNS Check	Monday, Au

4-ORGANIZING INTO THE FUTURE

Transfer Credit Rule Validation - The Why

- Data can be refreshed as needed or on a schedule.
- Reference tables can be updated very quickly and easily.
- All components are interactive, every relationship can be explored visually.
- Data table is exportable for ad hoc reporting.
- Report is published to a web service can be delivered any way the stakeholder pleases.
- Can be used as a data source for other Power BI visuals.



Rule Navigator

- We have rule data already.
- We can get external school location data.
- Let's make a Rule Explorer for advisor to check what equivalents exists already.
- This is JUST one query so there is no relationship tables.
- We can add a geocoder for the location data to put in on a map.
- We need to be able to filter results based on attributes.



Rule Navigator

TX



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Select School

Search

*U Of Texas Health Sci-Houston	Abilene Christian Univ	Angelina College
*U Of Texas-Tyler	Alvin Community College	Angelo State Univ
*Univ of Texas RioGrande Valle	Amarillo College	Austin College

Select Course Subject

Search

0ST	3PR	A M
2301	A EC	A S
2363	A ED	A T
374D	A EN	A&H

Select Catalog #

Search

0001	0100	0105	0110
0002	0101	0106	0111
001	0102	0107	0112
002	0103	0108	0113
007	0104	0109	0114

143,917

ADVC ELEC Credit

Direct Equivalency

ELEC Credit

Clear all slicers

Course Pairing	A.COMP_SUBJECT_AREA	EXT Course	EXT Description	EQ Course	EQ Description	EQ
Austin Community College: 0ST 1001 FOR GENR ELEC	AUSTIN CC-0ST	0ST 1001	Keyboarding	GENR ELEC	General Elec	044
Austin Community College: 0ST 1013 FOR GENR ELEC	AUSTIN CC-0ST	0ST 1013	Basic Keyboarding	GENR ELEC	General Elec	044
Austin Community College: 0ST 1043 FOR GENR ELEC	AUSTIN CC-0ST	0ST 1043	Business Letter Writing	GENR ELEC	General Elec	044
Austin Community College: 0ST 1063 FOR GENR ELEC	AUSTIN CC-0ST	0ST 1063	Data Entry Appls	GENR ELEC	General Elec	044
Austin Community College: 0ST 1103 FOR GENR ELEC	AUSTIN CC-0ST	0ST 1103	Office Procedures	GENR ELEC	General Elec	044
Austin Community College: 0ST 1113 FOR GENR ELEC	AUSTIN CC-0ST	0ST 1113	Keybrd Application	GENR ELEC	General Elec	044
Austin Community College: 0ST 1163 FOR GENR ELEC	AUSTIN CC-0ST	0ST 1163	Microsoft Word	GENR ELEC	General Elec	044
Austin Community College: 0ST 1183 FOR GENR ELEC	AUSTIN CC-0ST	0ST 1183	Microcmpr Accounting	GENR ELEC	General Elec	044
Austin Community College: 0ST 2001 FOR GENR ELEC	AUSTIN CC-0ST	0ST 2001	Keyboard Skillbuilding	GENR ELEC	General Elec	044
Austin Community College: 0ST 2033 FOR GENR ELEC	AUSTIN CC-0ST	0ST 2033	ADMINISTRATIVE PROCEDURES	GENR ELEC	General Elec	044
Austin Community College: 0ST 2043 FOR GENR ELEC	AUSTIN CC-0ST	0ST 2043	Machine Transcription	GENR ELEC	General Elec	044
Austin Community College: 0ST 2053 FOR GENR ELEC	AUSTIN CC-0ST	0ST 2053	Prins of Office Admin	GENR ELEC	General Elec	044
Austin Community College: 0ST 2074 FOR GENR ELEC	AUSTIN CC-0ST	0ST 2074	Secretarial Internship	GENR ELEC	General Elec	044
Austin Community College: 0ST 2081 FOR GENR ELEC	AUSTIN CC-0ST	0ST 2081	Special Topics	GENR ELEC	General Elec	044
Austin Community College: 0ST 2082 FOR GENR ELEC	AUSTIN CC-0ST	0ST 2082	Special Topics	GENR ELEC	General Elec	044



Rule Navigator

TX



10

Select School

Search

Alvin Community College	Angelo State Univ	Brazosport College
Amarillo College	Austin Community College	Central Texas College
Angelina College	Blinn College	Cisco Junior College

Select Course Subject

Search

ACCT	BCIS	CHIN
ACRH	BIOL	COMM
AFSC	BMGT	COSC
ANTH	BUSI	CSCI
ARTS	CHEM	DFTG

Select Catalog #

Search

1303	1317	2356
1304	2316	2366
1311	2326	
1316	2346	

Direct Equivalency

ELEC Credit

Clear all slicers

Course Pairing	A.COMP_SUBJECT_AREA	EXT Course	EXT Description	EQ Course	EQ Description	EQ C
Alvin Community College: ARTS 1303 FOR ARTS 1303	ALVIN-ARTS	ARTS 1303	Art History I	ARTS 1303	Art Hist I(Prehistoric 14th C)	0125
Alvin Community College: ARTS 1304 FOR ARTS 1304	ALVIN-ARTS	ARTS 1304	Art History II	ARTS 1304	Art Hist II(15th C to Present)	0125
Alvin Community College: ARTS 1311 FOR ARTS 1311	ALVIN-ARTS	ARTS 1311	DESIGN I	ARTS 1311	Fundamentals of Graphic Design	0117
Alvin Community College: ARTS 1316 FOR ARTS 1316	ALVIN-ARTS	ARTS 1316	Drawing I	ARTS 1316	Fundamentals of Drawing	0117
Alvin Community College: ARTS 1317 FOR ARTS 1317	ALVIN-ARTS	ARTS 1317	Drawing II	ARTS 1317	Drawing II	0118
Alvin Community College: ARTS 2316 FOR ARTS 2316	ALVIN-ARTS	ARTS 2316	Painting I	ARTS 2316	Fundamentals of Painting	0117
Alvin Community College: ARTS 2326 FOR ARTS 2326	ALVIN-ARTS	ARTS 2326	Sculpture I	ARTS 2326	Fundamentals of Sculpture	0117
Alvin Community College: ARTS 2346 FOR ARTS 2346	ALVIN-ARTS	ARTS 2346	Ceramics I	ARTS 2346	Fundamentals of Ceramics	0117
Alvin Community College: ARTS 2356 FOR ARTS 2356	ALVIN-ARTS	ARTS 2356	Photography I	ARTS 2356	Fundamentals of Photo/DM	0407
Alvin Community College: ARTS 2366 FOR ARTS 2366	ALVIN-ARTS	ARTS 2366	Watercolor I	ARTS 2366	Watercolor	0118



References

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