USING POWER BIFOR REPORT AUTOMATION



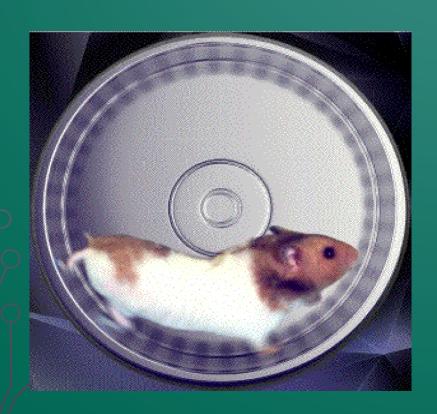
SHAWN LOHT, PHD

RESEARCH MANAGER

DELGADO COMMUNITY COLLEGE



ARE THERE REPORTS YOU COMPILE EVERY DAY OR EVERY WEEK??? DO YOU FEEL LIKE YOUR TIME IS BEING WASTED???





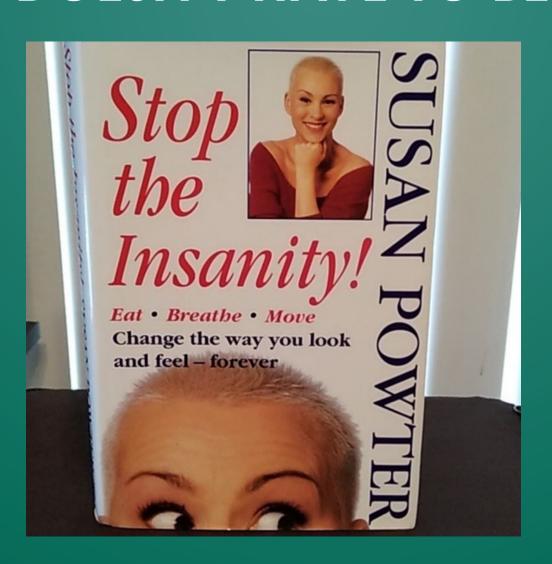
I BUILT THIS REPORT AND EMAILED IT TO STAKEHOLDERS EVERY DAY FOR &#%\$*@ING YEARS

	Active Student Registrations by Student Type and Campus: Spring Semester 2023								
			,	April 24, 20					
			^Day of th	e Semester:					
			,						
	FIRST-TIME				HIGH-SCHOOL	CROSS-		NON-	
CAMPUS/SITE	FRESHMAN	CONTINUING	TRANSFER	RETURNING	STUDENT	ENROLLED	VISITING	MATRICULATING	<u>TOTAL</u>
City Park Campus	638	4530	508	781	324	4	89		6874
Charity School of Nursing	1	723	17	64					805
West Bank Campus	245	1068	120	180	157		34		1804
Jefferson Site	101	419	47	53	27		10		657
Sidney Collier Site	97	316	37	72	1		2		525
River City Site	·								
Total Headcount	1104	7079	729	1153	571	4	135	0	10775
Scheduled Credit Hours	8769	62520	6092	8609	2668	18	708	0	89384
			COMPA	RISON TO S	PRING 2022				
	**R	egistration	Totals On	e Year Ago:	4/24/2022				
Registration Headcount	816	7496	660	1447	458	6	123	0	11006
% Change									-2.1%
Scheduled Credit Hours	7229	63260	5549	10178	1975	18	587	0	88796
% Change									0.7%
	۸۸	Same Seme	ster Day S	pring 2022:	4/26/2022				
Registration Headcount	816	7496	660	1447	458	6	123	0	11006
% Change									-2.1%
Scheduled Credit Hours	7229	63254	5549	10178	1975	18	587	0	88790
% Change									0.7%





I'M HERE TO TELL YOU IT DOESN'T HAVE TO BE THIS WAY...



IF YOU ARE AN IR/IE ANALYST, YOUR TIME IS BETTER SPENT

IF YOU ARE A SUPERVISOR OF AN IR/IE ANALYST, THEIR VALUE IS TOO HIGH

NO!



POWER BI = AUTOMATING REPORTS AND ANALYSIS

THE REPORT I USED TO BUILD EVERY DAY (EVEN ON SICK DAYS) IS NOW AUTOMATED



July 11, 2024

Fall Semester 2024 Enrollment -Today's Totals

CAMPUS/SITE	CONTINUING	FIRST-TIME	TRANSFER	RETURNING	VISITING	HIGH	CROSS	NON	TOTAL
CAIVII 03/311E	CONTINUING	FRESHMAN	TIVALISTER	KETOKIMIO	V131111VG	SCHOOL	ENROLLED	MATRIC	TOTAL
									_
River City	50	36	9	8	0	28	0	0	131
Sidney Collier	228	89	43	55	1	18	0	0	434
West Bank	564	166	99	198	7	3	0	0	1,037
City Park	3,579	676	562	871	46	24	0	0	5,758
Total Headcount	4,421	967	713	1,132	54	73	0	0	7,360
Total SCH	39,716	10,486	6,703	9,713	354	531	0	0	67,503

Enrolled Headcount One Year Ago

CONTINUING	FIRST-TIME FRESHMAN	TRANSFER	RETURNING -	VISITING	HIGH SCHOOL	CROSS ENROLLED	NON MATRIC	TOTAL
4,645	919	556	1,080	62	21	0	0	7,283

1.1%

% Difference in Today's Headcount vs One Year Ago

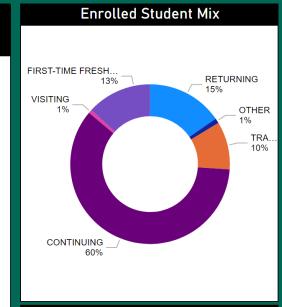
Enrolled SCH One Year Ago

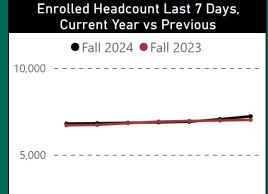
Lili otteu Sci	Tone rear	Agu						
CONTINUING	FIRST-TIME	TRANSFER	RETURNING	VISITING	HIGH	CROSS	NON	TOTAL
	FRESHMAN				SCHOOL	ENROLLED	MATRIC	
						•		
41,416	10,146	5,389	9,556	391	113	0	0	67,221

0.4%

% Difference in Today's SCH vs One Year Ago

Enrollment Goal: 13,500 Students

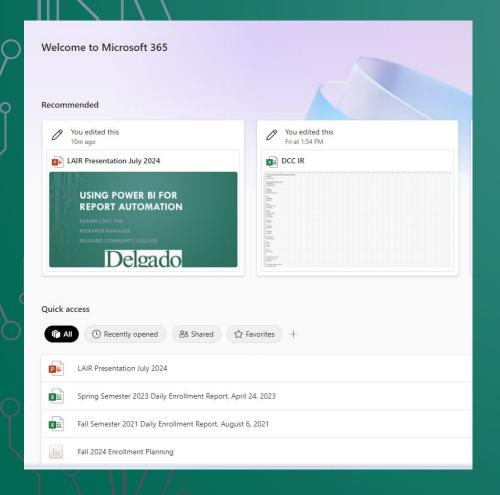


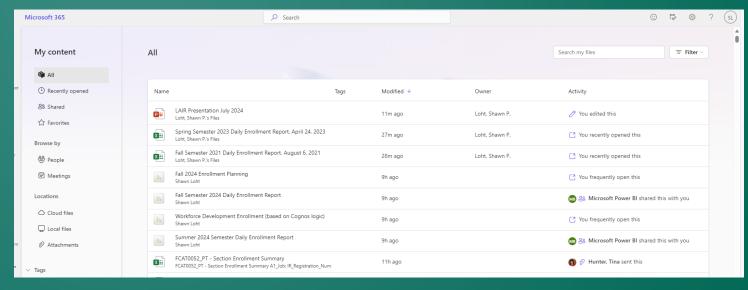


7,360

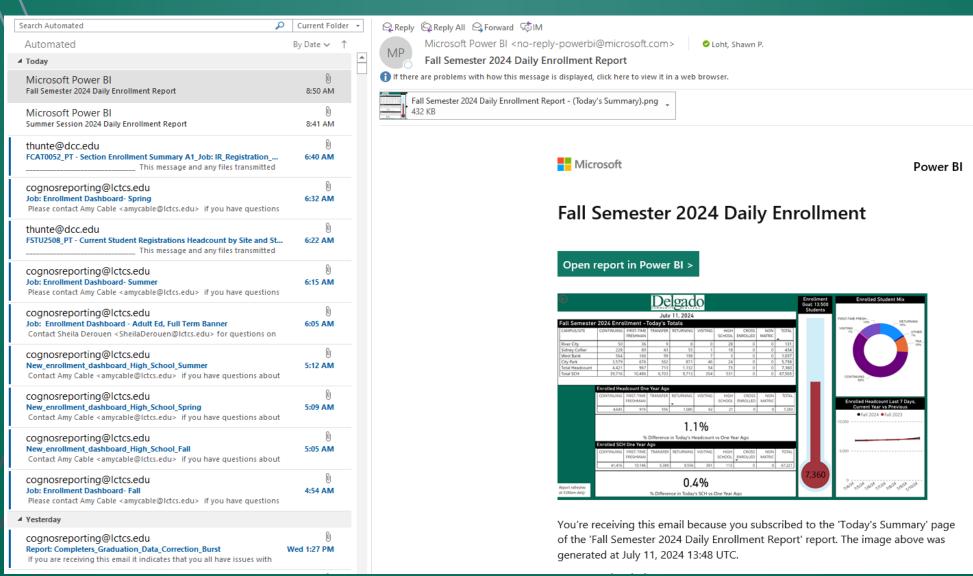
Report refreshes at 5:00am daily

It lives in the Microsoft 365 Cloud





It refreshes and emails to stakeholders on a daily schedule



IT'S GOT EXTRA BELLS AND WHISTLES. ALSO A GENERAL "WOW" FACTOR.



July 11, 2024

Fall Semester 2024 Enrollment -Today's Totals

CAMPUS/SITE	CONTINUING	FIRST-TIME	TRANSFER	RETURNING	VISITING	HIGH	CROSS	NON	TOTAL
		FRESHMAN				SCHOOL	ENROLLED	MATRIC	
									_
River City	50	36	9	8	0	28	0	0	131
Sidney Collier	228	89	43	55	1	18	0	0	434
West Bank	564	166	99	198	7	3	0	0	1,037
City Park	3,579	676	562	871	46	24	0	0	5,758
Total Headcount	4,421	967	713	1,132	54	73	0	0	7,360
Total SCH	39,716	10,486	6,703	9,713	354	531	0	0	67,503

Enrolled Headcount One Year Ago

Lill ottou i lot	acount on	c rear Ago						
CONTINUING	FIRST-TIME	TRANSFER	RETURNING	VISITING	HIGH	CROSS	NON	TOTAL
	FRESHMAN		~		SCHOOL	ENROLLED	MATRIC	
4,645	919	556	1,080	62	21	0	0	7,283

1.1%

% Difference in Today's Headcount vs One Year Ago

Enrolled SCH One Year Ago

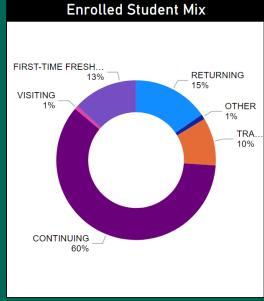
			3						
	CONTINUING	FIRST-TIME	TRANSFER	RETURNING	VISITING	HIGH	CROSS	NON	TOTAL
		FRESHMAN				SCHOOL	ENROLLED	MATRIC	
H									
Ш	41,416	10,146	5,389	9,556	391	113	0	0	67,221

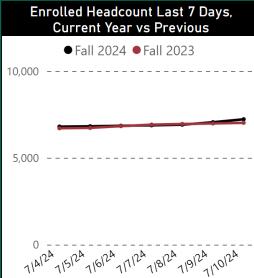
0.4%

% Difference in Today's SCH vs One Year Ago

Enrollment Goal: 13,500 Students

7,360





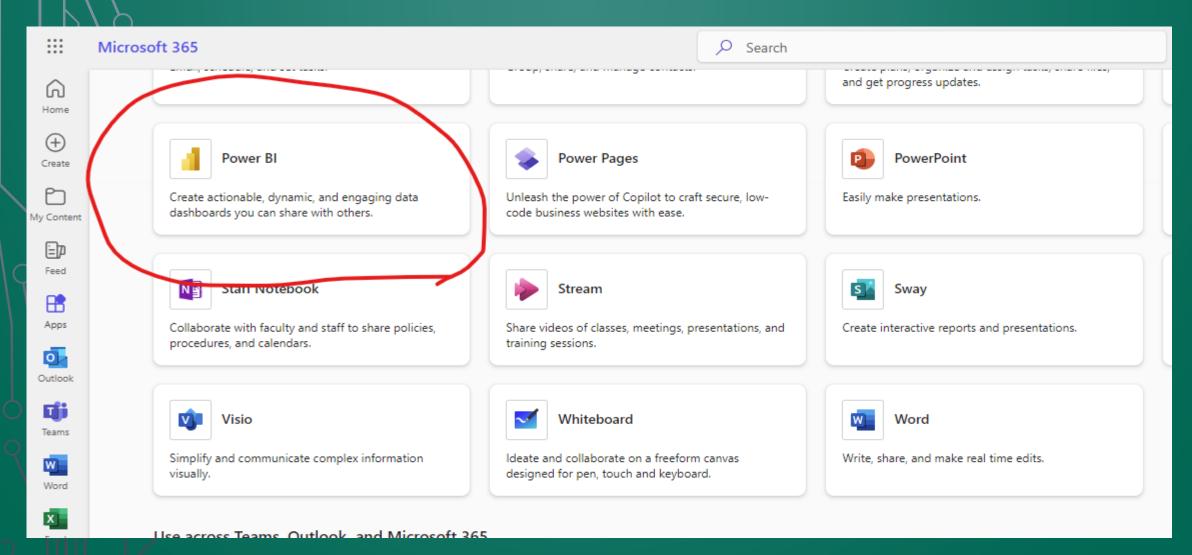
Report refreshes at 5:00am daily

PART 1 REPORT AUTOMATION: HOW TO DO IT

REPORT AUTOMATION: HOW TO DO IT

- 1) THE SOFTWARE
- 2) DATABASE CONNECTION
 - 3) POWER BIGATEWAY
- 4) BUILD & PUBLISH REPORT 5) SUBSCRIPTION

1) THE SOFTWARE: FREE DOWNLOAD IN MS 365



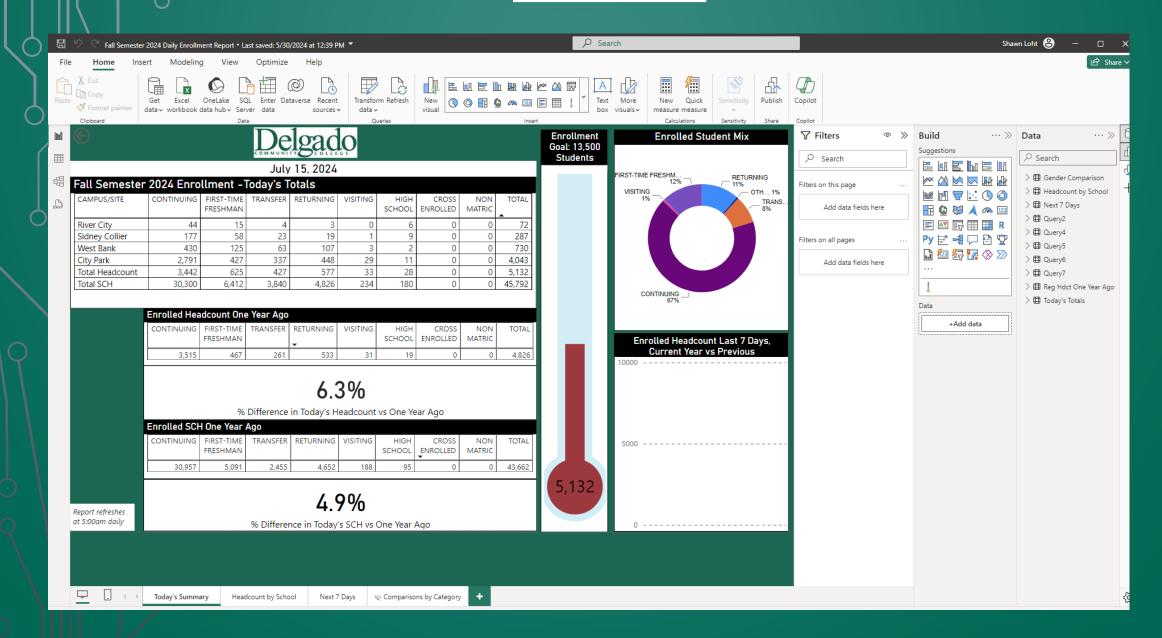
POWER BIDESKTOP

(DEVELOPMENT; LOCAL PC)

POWER BI SERVICE (ON WEB)

(PUBLICATION; MS 365 CLOUD)

IN DESKTOP



IN SERVICE (WEB)



July 11, 2024

Fall Semester 2024 Enrollment -Today's Totals

CAMPUS/SITE	CONTINUING	FIRST-TIME	TRANSFER	RETURNING	VISITING	HIGH	CROSS	NON	TOTAL
		FRESHMAN				SCHOOL	ENROLLED	MATRIC	_
River City	50	36	9	8	0	28	0	0	131
Sidney Collier	228	89	43	55	1	18	0	0	434
West Bank	564	166	99	198	7	3	0	0	1,037
City Park	3,579	676	562	871	46	24	0	0	5,758
Total Headcount	4,421	967	713	1,132	54	73	0	0	7,360
Total SCH	39,716	10,486	6,703	9,713	354	531	0	0	67,503

Enrolled Headcount One Year Ago

		-						
CONTINUING	FIRST-TIME	TRANSFER	RETURNING	VISITING	HIGH	CROSS	NON	TOTAL
	FRESHMAN		~		SCHOOL	ENROLLED	MATRIC	
4,645	919	556	1,080	62	21	0	0	7,283

1.1%

% Difference in Today's Headcount vs One Year Ago

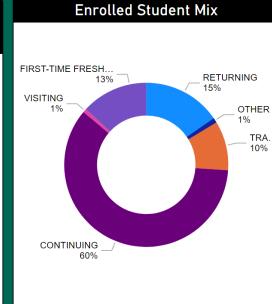
Enrolled SCH One Year Ago

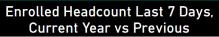
Lift titled 3011 Office Teal Ago										
CONTINUING	FIRST-TIME FRESHMAN	TRANSFER	RETURNING	VISITING	HIGH SCHOOL	CROSS ENROLLED	NON MATRIC	TOTAL		
41,416	10,146	5,389	9,556	391	113	0	0	67,221		

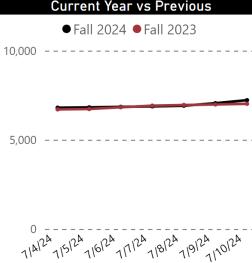
0.4%

% Difference in Today's SCH vs One Year Ago

Enrollment Goal: 13,500 Students



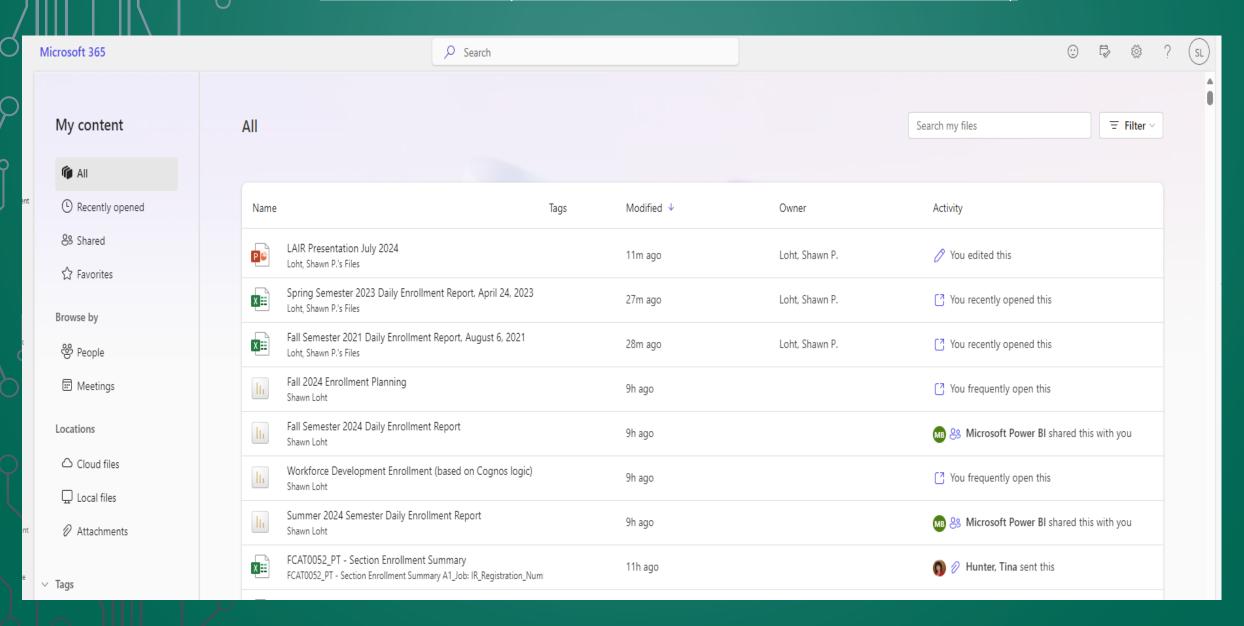




7,360

Report refreshes at 5:00am daily

IN SERVICE (NAVIGATE TO IT LIKE ANY FILE)



A LITTLE BIT IN THE WEEDS...
GET IT HELP

REQUIRED INSTALLS:

-ORACLE CLIENT FOR MS TOOLS

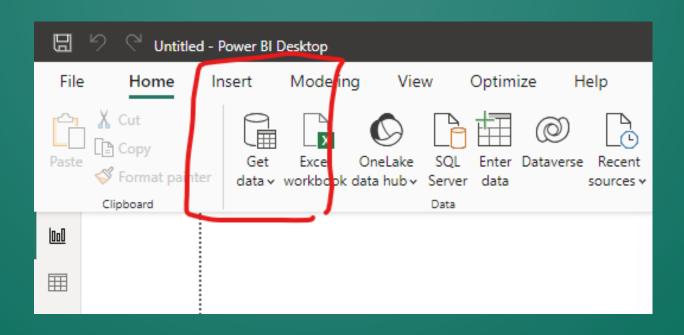
-POWER BI GATEWAY

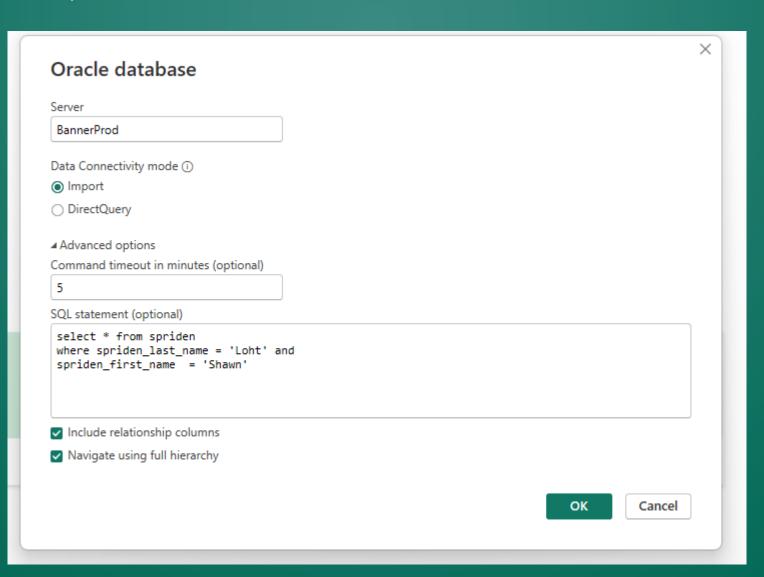
IDEALLY ON A SERVER, BUT JUST

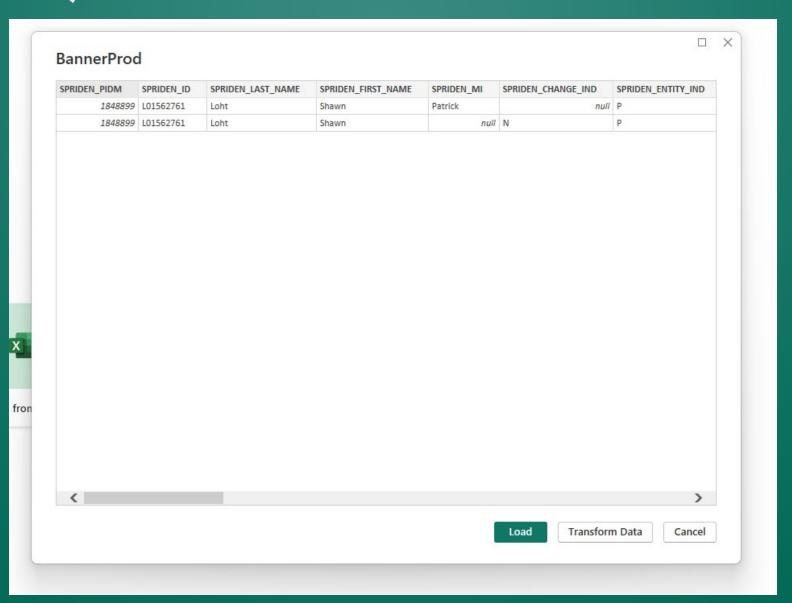
ON YOUR DESKTOP CAN WORK

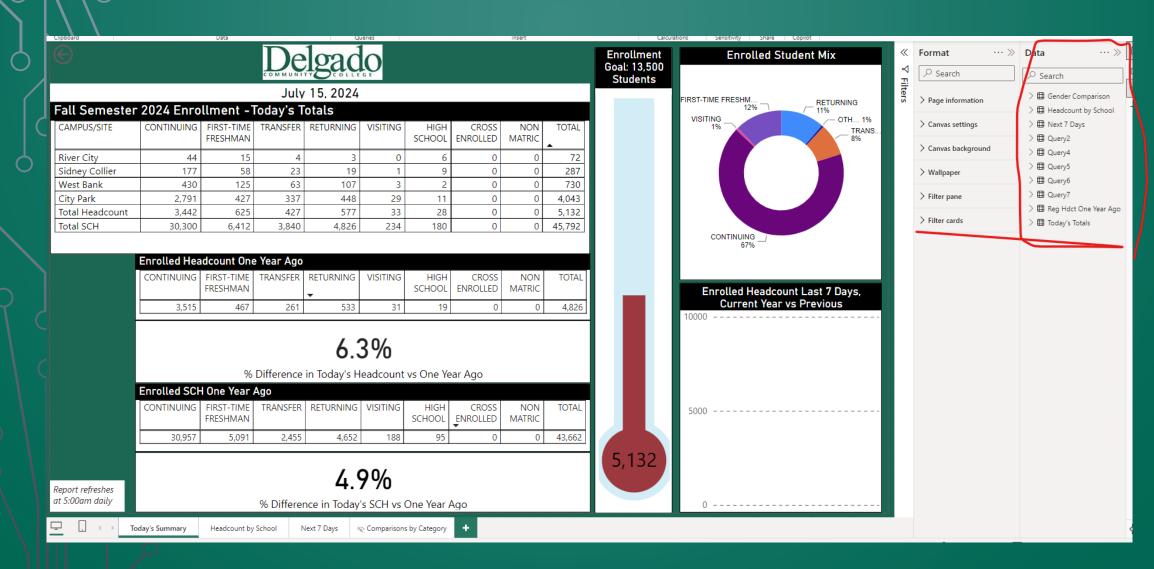
2) DATABASE CONNECTION YOU DO ALSO NEED SQL. BUT ONLY FOR BASIC QUERIES.









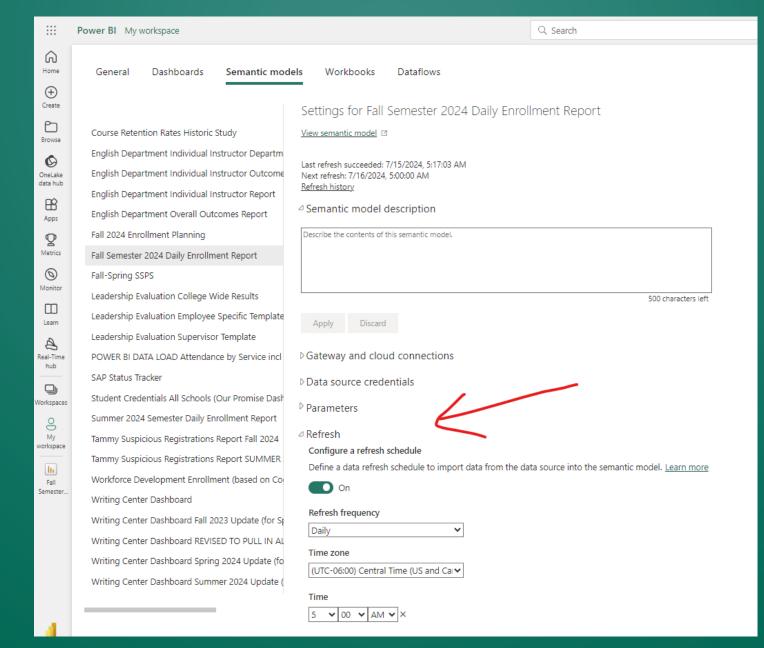


3) POWER BI GATEWAY

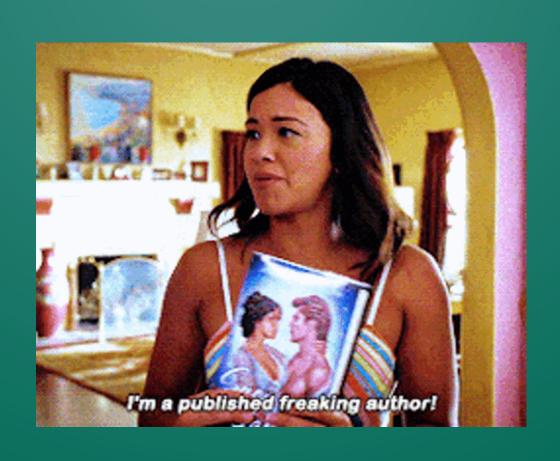
ENABLES AUTOMATED REPORT REFRESH FROM CLOUD



3) POWER BI GATEWAY



4) BUILD & PUBLISH YOUR REPORT



4) BUILD & PUBLISH

TAKE NOTE: "PUBLISHING" =

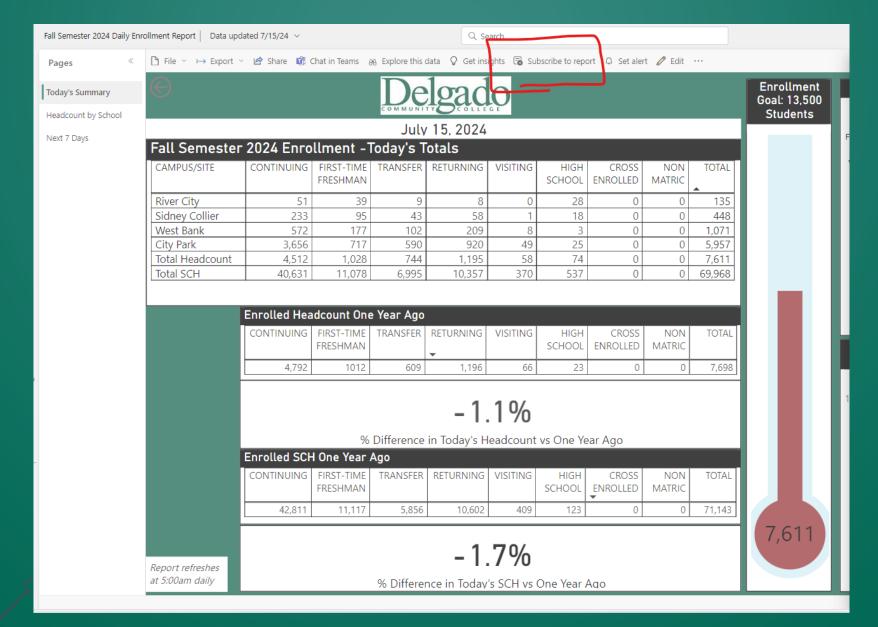
PUSHING REPORT



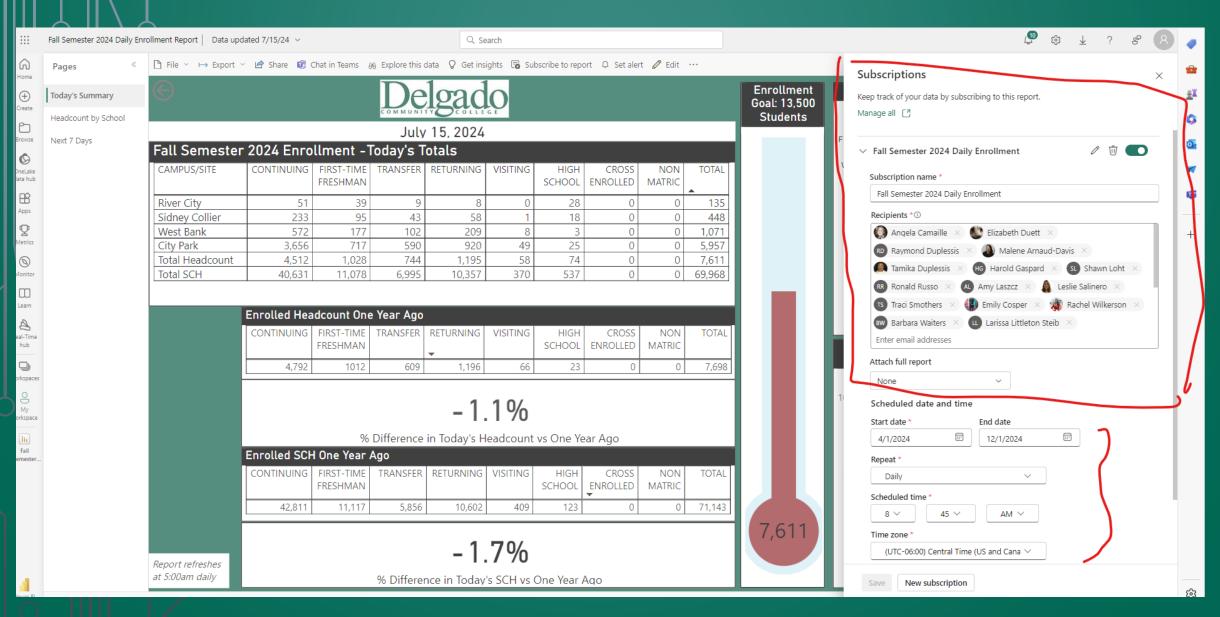
MS 365 CLOUD

5) SUBSCRIPTION **AUTOMATED EMAIL DISTRIBUTION**

5) SUBSCRIPTION



5) SUBSCRIPTION

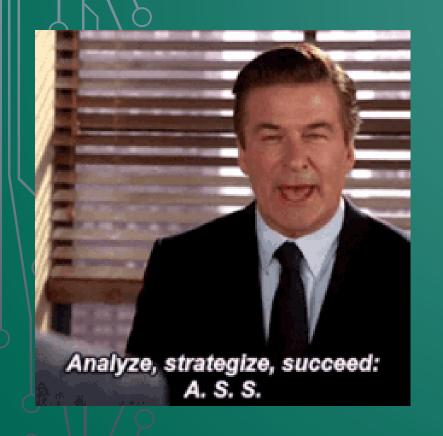


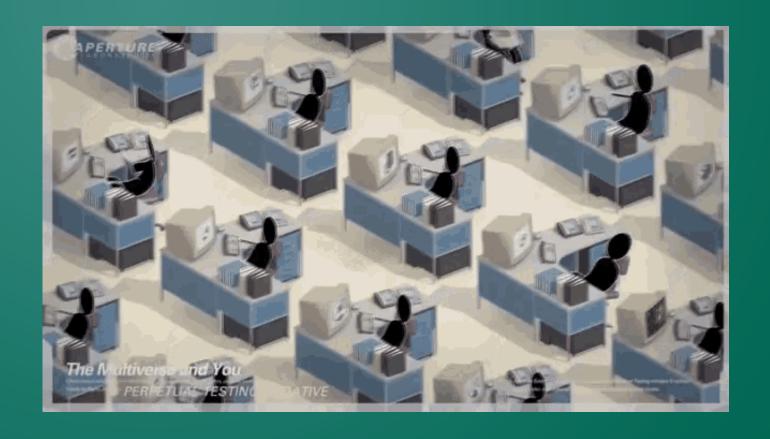
PART 2 USING POWER BI FOR <u>ANALYSIS</u>

IR/IE SPECIALISTS DON'T SIMPLY "PULL" DATA...

POWER BI ADDS VALUE BY AUTOMATING NOT JUST DATA EXTRACTION BUT ANALYSIS (AND SYNTHESIS)

THINK OF IT LIKE A TEAM OF WORKERS





AUTOMATING <u>ANALYSIS</u>: SAMPLES OF REPORTS I USED TO MANUALLY BUILD IN EXCEL EVERY WEEK

Fall 2024 Semester Enrollment Planning Snapshot

7/15/2024

Spring 2024 Students Eligible to Persist



10660

Students with 1+ conditions preventing persistence

931

F/FN in All Spring Courses

606

Has Hold / Hold Types

1900

AR	CI	CL	AR	RH	
13	0	34	1269	56	701

Graduated w/ Terminal Award 492 Spring Students with No Conditions Preventing Persistence

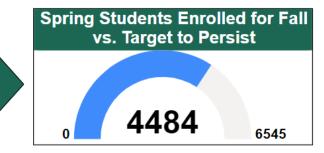
7548

Subtracts students shown in yellow/red at left from overall eligible total (10,660).

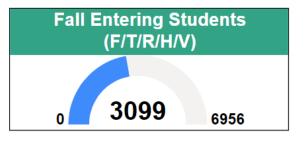
Expected Transfer Outs* (We Don't Know Who These Are)

920

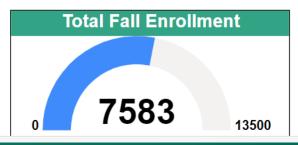
*Based on Spring 2023 Percentage of Students Transferred Out and Not Returned (8,2%).



6.545 (target) based on historical precedent of Spring-Fall persistence rate (61.4%). 10,660 X 61.4% = 6,545.



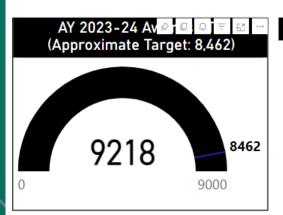
6,956 (target) is number of <u>entering</u> students needed for goal of 13,500, if target for spring-fall persistence is met.



Report refreshes every day at 5:00am

AUTOMATING ANALYSIS: SAMPLES

Progress Toward LCTCS "Our Promise" Targets, AY 2023-24 YTD Credential and IBC Awards Recorded in Banner



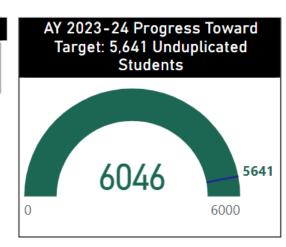
Award Totals by	School
SCHOOL	Awards
Allied Health	433
Business	1363
CATS	414
LASSE	899
Nursing	644
STEM	299
UNKNOWN	108
Workforce Development	5058
Total	9218

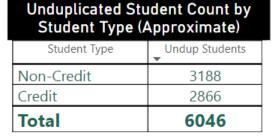
Award Totals According to Award Type (Approximate)

Award Type	Awards
Credit	4055
Non-Credit	5163
Total	9218

Award Totals by Program			
SCHOOL	PROGRAM	Awards	
Allied Health	Diagnostic Medical Sonography PAC	13	
Allied Health	Dialysis Technician CTC	3	
Allied Health	Electrocardiographic (EKG) Tec CTC	16	
Allied Health	EMT Basic CTC	44	
Allied Health	Entry Level Pharm. Tech No FA CTC	9	
Allied Health	Funeral Service CTS	8	
Allied Health	Funeral Service Education AAS	12	
Allied Health	Health Info Technology AAS	3	
Allied Health	IBC-Clinical Medical Assistant	7	
Allied Health	IBC-EMT Basic	24	
Allied Health	IBC-Medical Care Provider	3	
Allied Health	IBC-Patient Care Technician	6	
Allied Health	IBC-Pharmacy Technician Certification	5	
Allied Health	IBC-Physical Therapist Assistant	20	
Allied Health	IBC-Registered Radiologic Technologist-R.T (R)	43	
Allied Health	Massage Therapy CTS	10	
Allied Health	Medical Coding CAS	18	
Allied Health	Medical Coding CTS	8	
Allied Health	Medical Lab Technician AAS	7	
Allied Health	Nuclear Medicine Technology PAC	6	
Allied Health	Occupational Therapy Asst AAS	14	
Allied Health	Pharmacy Technician CTS	2	
Allied Health	Phlebotomy Technician CTC	19	
Total		9218	

Source/Reporting Method: replicates method from LCTCS Cognos Report "BannerWorkforce: Student Credentials All Schools"
Report refresh schedule: 8:00am every Sunday and/or on demand





<u>Note</u>: the official LCTCS target is for 5,641 <u>unduplicated students</u> earning an award.

The conversion from unduplicated students to awards is approximately 1.5 awards per unique student. The awards target shown at upper left (8,462) is only a forecast.

AUTOMATING ANALYSIS: SAMPLES

NOTE THAT THESE CAN BE ENTIRE PACKAGES EX. ENGLISH DEPT REPORTS AT DCC

SUMMARY

POWER BI AUTOMATES (AND MAKES PERMANENT):



- DATA EXTRACTION
 - DATA ANALYSIS
 - REPORT REFRESH
- REPORT DELIVERY

