



Persistence Dash Walkthrough

A Data Nerd Guide

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I. Introduction

This is a detailed walkthrough of how to use the **Persistence** dash of the PREDD dashboard. The data here includes only those who are first time to college students. Cohort sizes of 5 or below are omitted in order to protect student privacy. Please follow along as we explain the functions available and provide guidance for each step.

II. Definitions

Image 1. Dashes Image 2. Disaggregate by Characteristic Disaggregate by Characteristic P Educational Objective All Homeless (Term) SDMC Office of Institutional Effectiveness Academic Standing In Service Student (Term) Employmen Public PREDD 2023.24 ACP-Major EOPS (Term) Military Status About Headcount Online Section Type Age (Term) Ethnicity Enrollment Primary Language Retention Class Length First Generati Success First Time to College College Degree Residency Persistence Awards Section Modalit Foster Youth Productivity F2F Section Type Section Star DSPS (Term) Qualitative Data Time Operational Definitions Single Pa (Term)

Dash – A tab or page of the Persistence Dashboard (see Image 1)

Filter – A tool to help narrow the data presented. Filters allow you to change the parameters under which you view the data (see Image 2 & Image 3).

Image 3. Filters

Academic Year		Academic Term		Subject		Course	
All	\sim	All	\sim	All	\sim	All	\sim
Persistence							
to Miramar			\sim				

Please refer to the attached flow chart or the *Operational Definitions* dash for explanations of persistence terminologies.

III. Using filters to set up discipline-level analysis

First, we will prepare the dashboard for our exploration of discipline level data.

- 1. Click the "Subject" filter.
- 2. Uncheck the box to the left of "Select all" and check the box for any discipline you are interested in. We will select "BUSE" for this tutorial (see Image 2).
- 3. You can check the box to the left of "Select all" to include all disciplines again.

		Image 2	2. Sele	ect Subject	
	Subject			Subject	
	All		^	BUSE	^
	Selec	tall		BIOL	
				BLAS	- 11
				BUSE	
	✓ ADJU			CBTE	
n	ANTI-	4			
÷	ARTF		2		
	ARTO	i			
4 4	ASTR		'3 '3	CHIL	
10		E E 0/	106	500/	

<u>The filter(s) applied in this dash will **not** be applied to the others.</u> Switch to other dashes to verify this. The "BUSE" selection under "**Subject**" will be applied **throughout** this tutorial.

By default, the "**Persistence**" filter is set to "**to Miramar**". This means that persistence rates refer to students who, after taking a course at Miramar College, enrolled in another course at Miramar College for a subsequent term. This filter will be altered as we continue.

IV. Working with the Dash

The **Persistence** dash displays the data as an extensive table. In this tutorial, we anticipate questions that you may have, and we use this dash to provide answers, while presenting technical guidance to navigate this tool. For more information on persistence definitions, see flow chart.

A. What am I looking at?

The data in the **Persistence** dash is organized by "Academic Year" & "Academic Term", then by course "Subject", followed by "Course" title, and lastly by "Persistence". You can also select "**Disaggregate by Characteristic**" filter to drill down into different student populations.

The length of the table can be intimidating, so filters are available to quickly see data relevant to your needs. In the last section, we used the "Subject" filter to show only "BUSE" courses. Currently, the table is displaying persistence data for all "BUSE" courses individually up to Spring 2024 (see Image 5).

Use the dashboard sidebar to scroll down to see the rest of the table.



Image 3. Table Data

B. How can I compare persistence outcomes from a specific class over a number of terms?

Use the "Course" filter to select only "BUSE 100". Next, use the "Academic Year" filter to keep the last three years between "2021/22" and "2023/24". The **Persistence** dash will be updated to show only one row of unique data for each of the terms for the selected course (see Image 6). Because only one course is selected, the "Course" total row is now equal to the "Term" total row and the "Subject" total row.

	MIF	N DIEC	io AR CE						Pe	rsister	nce				
SDMC Office of	Academic	/ear		Acade	mic Terr	n	Subject			Course					
Institutional Effectiveness	Multiple.co	actions	^	ΔII		~	PLICE		\sim	BUSE 100	~				
	Multiple se	ections		1.41			DUSE			0000 100					
	Select	all													
Public PREDD 2023.24	2019/	2020				\sim							Disaggr	egate by Chara	cteristic
	2020/	2021												Educational	
About	2021/	2022											All	Objective	Homeless (Term
Headcount	✓ 2022/ ✓ 2023/	2023	e	All	Enrollm	ent Primary Te Persisten	erm Primar ce Persiste	/ Term ince %	Annual Persistence	Annual Persistence %	Annual Continued Persistence	Annual Continue Persistenc	Academic	Employment	In Service
		2021	i i i	0 All		351	289	82%	300) 85%	171	_	standing		Student (Term)
				Total	3	351 a	289	82%	300	85%	171				
Enrollment			Total		3	351 -	289	82%	300) 85%	171		ACP-Major	EOPS (Term)	Military Status
	F-11 2022	Total	DUCE 10		3	351	289	82%	300	85%	171	4			
Retention	Fall 2022	BUSE	BUSE IU	Total		428	350	82%	30/	2 85%	200				Online Section
			Total	Total		428	350	82%	362	2 85%	200	4	Age (lerm)	Ethnicity	Туре
C		Total			4	428	350	82%	362	85%	200	4			
Success	Fall 2023	BUSE	BUSE 10	0 All		496	412	83%	425	5 86%	258		Class I assuth	E-A Commenter	Primary
				Total	4	496	412	83%	425	86%	258		Class Length	First Generation	Language
Persistence								11100							
	Collegewi	de Pe	rsistenc	e by He	adcour	nt							College Degree	First Time to	Residency
	Term_Name	All H	eadcount	Primary	/ Term	Primary Term	Annual	Annu	ial	Annual	Annual			College	
Awards				Persisi	lence	Persistence 76	Persistence	Persister	Per	ersistence P	ersistence %				
	▲ 5all 2021	All	251		200	0.08/	200		059/	171	409/		CTE	Foster Youth	Section Modality
Productivity	Fall 2021	All	428		350	82%	362		85%	200	4376				modulity
	Fall 2023	All	496		412	83%	425		86%	258	52%			E2E Section	Section Start
	Spring 2022	AII	120		60	50%	64		53%	34	28%		DSPS (Term)	Type	Time
Qualitative Data	Spring 2023	All	139		73	53%	77		55%	47	34%				
	Spring 2024	All	150		67	45%	67		45%	0	0%		Fronomically		Single Parent
Operational Definitions													Disadvantaged	Gender	(Term)

Image 4. Persistence of a Course over Time

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C. Are there differences in persistence rates of a course by student type?

Use the "**Disaggregate by Characteristics**" filter on the right-hand side of the dash and select "Gender". As you can see in the Persistence dash, the table now shows that 236 female students and 253 male students made up the "Fall 2019" cohort of "BUSE 100", 212 female students and 256 male students made up the "Fall 2020" cohort, and so on (see Image 7).

You can now compare the persistence rates by gender within and across the selected terms. Now remove the "Gender" filter on the right-hand side by selecting "All".

	M	N DIEGO AMA OLLEGI	N R E					P	e	rsisten	ce				
Institutional Effectiveness	Academic 1	Academic Year		Academic Term			Subject		Course						
Institutional Effectiveness	All		\sim	All		\sim	BUSE	~		BUSE 100	\sim				
	Persistence	e													= 63
Public PREDD 2023.24	to Miramar					\sim							Disaggr	egate by Chara	teristic
About	Persisten	ce by C	ourse										All	Educational Objective	Homeless (Term)
Headcount	Term	Subject	Course	Gender	Enrollment	Primary Tern Persistence	Primary 1 Persistenc	erm Annu e % Persist	ual ence	Annual Persistence %	Annual Continued Persistence	Annu Contin Persister	Academic Standing	Employment	In Service Student (Term)
	Fall 2019	BUSE	BUSE 100	Female Male	236 253	19- 20-	4	82% 81%	20	3 86% 5 81%	126 121				
Enrollment			Total	Total	490 490	39 39	8 8	81% 81%	40	8 83% 8 83%	247 247		ACP-Major	EOPS (Term)	Military Status
Retention	Fall 2020	Total BUSE	BUSE 100	Female Male	490 212 256	39 16 21	8 B D	81% 79% 82%	40 17 21	8 83% 6 83% 4 84%	247 94 127		Age (Term)	Ethnicity	Online Section Type
Success		Tetal	Total	Total	471 471	38	0	81% 81%	39) 39)	2 83% 2 83%	223 223		Class Length	First Generation	Primary
Percistence	F-1 2021	DUCE	BUICE 100	e	4/1	38	0	81%	39	2 83% c 07%	223				Language
Persistence	Collegewi Term_Name	de Pers Gender	Headcount	Prima	dcount ry Term	Primary Term	Annual	Annual	B/	Annual	Annual		College Degree	First Time to College	Residency
Awards				Pers	istence P	rensistence 76	Persistence	Persistence	76	Persistence	Persistence %		CTF	Foster Youth	Section
Productivity	Fall 2019	Female Male	236		194 204	82% 81%	203 205	86	% %	126 121	53% 48%				Modality
Qualitative Data	Fall 2020	Female Male Female	212 256 168		168 210 139	79% 82% 83%	176 214 146	83 [°] 84 [°] 87 [°]	% % %	94 127 85	44% 50% 51%		DSPS (Term)	F2F Section Type	Section Start Time
	Fall 2021	Male	180		147	82% 82%	151	849	%	85	47%		Economically	Gender	Single Parent
Operational Definitions		Male	249		202	81%	208	84	%	103	41%		Disadvantaged		(lerm)

Image 5. Persistence by Gender

D. How many students from a course continued at another college?

In the **Persistence** dash, use the "**Persistence**" filter to select "to City". The interpretation of persistence rates changes from the cohort continuing enrollment at Miramar College to continuing enrollment at City College.

The table now tells us that 25 students in "BUSE 100" of Fall 2019 enrolled in a course at City College the next term (see Image 8). Use the filter to show data for "to Miramar" again.

	MI		an AR CE						Pe	ersist	en	ce					
Institutional Effectiveness	Academic	Year		Academic Term			Subje	ect		Course							
Institutional Effectiveness	All		\sim	All		\sim	BUSE		\sim	BUSE 100	0	\sim					
	Persistence	e														± 63	
Public PREDD 2023.24	to City					\sim								Disaggi	regate by Chara	cteristic	
About	Persisten	ice by I	Course											All	Educational Objective	Homeless (Term)	
Headcount	Term	Subjec	t Course	All	Enrollm	ent Primary Te Persisten	rm Pr ce Pe	imary Term rsistence %	Annual Persistence	Annui Persisten	al ice %	Annual Continued Persistence	Annual Continue Persistenc	Academic	Employment	In Service Student (Term)	
	Fall 2019	BUSE	BUSE 100	All	4	490	25	5%	5	5	11%	10		stantanty		Student (reinity	
Enrollment			Total	Total	4	190 190	25 25	5% 5%	5	5	11% 11%	10 10		ACP-Major	EOPS (Term)	Military Status	
		Total			4	190	25	5%	5	5	11%	10					
Retention	Fall 2020	BUSE	BUSE 100	All	4	471	48	10%	7	1	15%	14				Online Section	1
neterition			Total	Iotal	4	171	48	10%	1	1	15%	14		Age (Term)	Ethnicity	Type	
		Total	Total		4	171	48	10%	7	1	15%	14					
Success	Fall 2021	BUSE	BUSE 100	AI	3	351	14	4%	3	10	9%	4				Primary	
				Total	3	851	14	4%	3	0	9%	4		Class Length	First Generation	Language	>
Persistence			T.4.1			104		407		0	00/		_				
rensistence	Collegew	ide Per	rsistence	by Hea	adcour	nt								College Degree	First Time to	Paridancy	
	Term_Name	AIIH	eadcount	Primary 1	Term	Primary Term	Annu	al An	nual	Annual		Annual		College Degree	College	Residency	
Awards				Persiste	nce	Persistence %	Persiste	nce Persist	ence% (Continued	C	ontinued					i -
	-									rensistence	Per	sistence /s		CTE	Foster Youth	Section	
Productivity	Fall 2019	All	490		25	5%		55	11%	10	0	2%		0.0		Modality	
rioductivity	Fall 2020	All	4/1		48	10%		71	15%	14	4	3%				(i –
	Fall 2021	All	428		22	476		48	37/0	11	+ 1	394		DSPS (Term)	F2F Section	Section Start	
Qualitative Data	Fall 2022	All	420		20	3% 4%		35	7%	6	6	1%			lype	Time	
	Spring 2020	All	197		43	22%		56	28%	21	1	11%					i –
	Spring 2021	All	137		22	16%		36	26%	11	1	8%		Economically	Gender	Single Parent	
Operational Definitions	Spring 2022	All	120		17	14%		22	18%	ç	9	8%		Disadvantaged		(Term)	

Image 6. Persistence to another College

E. How many students from a course persisted in the same subject?

We previously discussed student persistence for any enrollment, and now we can talk about the different types of persistence data we have to offer. With the previous filters for BUSE 100 and the academic year applied, select "**to Miramar (Same Subject)**" for the filter "Persistence".

The dash now shows the number of students that enrolled in another course **within the same subject** (see Image 9). **Primary term persistence** measures the number of students that enrolled in the subsequent quarter, while **annual persistence** measures the number of students that enrolled within the next year. For more information on the definitions, see flow chart.

SDMC Office of	MI	KAM/	E						Pe	isiste	ince				
Institutional Effectiveness	Academic	Academic Year		Academic Term			Subject C		Course						
	All		\sim	All		\sim	BUSE		\sim	BUSE 100	\sim				
	Persisten	ce													<u>∓</u> 63
Public PREDD 2023.24	to Mirama	ir (Same Su	ibject)			\sim							Disaggi	regate by Chara	cteristic
About	Persister	nce by C	ourse										All	Educational Objective	Homeless (Terr
Headcount	Term	Subject	Course	All Enr	ollment Pri Pe	mary Term risistence	Primary Persiste	/ Term A Ince % Per	nnual sistence	Annual Persistence	Annual % Continued Persistence	Annual Continue Persistenc	Academic	Employment	In Service
headcount	Fall 2019	BUSE	BUSE 100	All I	490	78		16%	12	5 20	3% 1	1	Standing	cinpityment	Student (Term
				Total	490	78		16%	120	5 26	i% 1	1			
Enrollment			Total		490	78		16%	120	5 26	% 1	1	ACP-Major	EOPS (Term)	Military State
	5 11 2020	Total	DUICE 100		490	78		16%	120	5 26	% 1	1			
Retention	Fail 2020	DUSE	B036 100	Total	471	42		9%	8	2 15	19/ 1	5			Online Secti
			Total	10 tui	471	42		9%	8	3 18	1% 1	5	Age (lerm)	Ethnicity	Туре
C		Total			471	42		9%	83	3 18	% 1	5			
Success	Fall 2021	BUSE	BUSE 100	IA (351	28		8%	5	5 16	5% 1	1	Class Length	First Generation	Primary
				Total	351	28		8%	55	5 16	% 1	1	class cengur	Plist Generation	Language
Persistence	Calleran	ide Dee	1.1.1	her Handa				107				_			
	Collegev	nde Per	sistence	by Heado	ount	_							College Degree	First Time to	Residency
Assessed	Term_Nam	e All He	adcount	Primary Tern Persistence	n Primary Persister	Term /	Annual	Annual	« c	Annual	Annual			College	· · · · · ·
Awards				reisisterice	Persister	ice /o Pe	rsistence	reisisterice	ρ.	ersistence	Persistence %				6
	Eall 2019	ΔII	490		78	16%	126	26	96	11	2%		CTE	Foster Youth	Modality
Productivity	Fall 2020	All	471		42	9%	83	18	%	15	3%				
	Fall 2021	All	351		28	8%	55	16	%	11	3%			F2E Section	Section Sta
Qualitative Data	Fall 2022	All	428		22	5%	74	17	%	11	3%		DSPS (Term)	Туре	Time
Qualitative Data	Fall 2023	All	496		37	7%	119	24	%	9	2%				

Image 7. Same Subject Persistence

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F. How many students enrolled in the same class in later semesters?

With the previous filters for BUSE 100 and the academic year applied, select "**to Miramar** (**Repetition**)" for the filter "Persistence".

The dash now shows the number of students that **enrolled in the same course** in **later** semesters (see Image 10). For more information on persistence definitions, see flow chart.



Image 10. Repetition Persistence

G. What is the headcount percentage for collegewide persistence disaggregated by different DI characteristics?

Unselect all filters for subject and course above, and reselect "All" to select all courses. Similarly, select all academic years/terms for the filters. Select "to Miramar" for "Persistence".

Select "**Ethnicity**" for "**Disaggregate by Characteristics**" filter to the right. Scroll down to the bottom of the dash to find the below chart titled "Collegewide Persistence by Headcount". Here you can see the different types of persistence data for headcount disaggregated by Ethnicity.

Term_Name	Ethnicity	Headcount	Primary Term Persistence	Primary Term Persistence %	Annual Persistence	Annual Persistence %	Annual Continued Persistence	Annua Continu Persisten
Fall 2019	Asian	2,120	1,425	67%	1,536	72%	741	
	Black/African-American	666	317	48%	369	55%	145	
	Filipino/a	1,059	698	66%	751	71%	382	
	Latinx	4,050	2,114	52%	2,345	58%	971	
	Multi-Ethnic	1,127	705	63%	774	69%	367	
	Native American	53	23	43%	27	51%	11	
	Pacific Islander	87	47	54%	54	62%	19	
	Unknown	363	177	49%	188	52%	79	

Collegewide Persistence by Headcount

You can also select other characteristics such as Gender, Age, DSPS/EOPS status, Military status, Foster Youth status, Economically Disadvantaged Status, Section Modality, and more.

Note that you can also select different destination colleges under the filter "**Persistence**" that we have used in previous sections of this walkthrough.

The filter defaults to Miramar college. Selecting the other colleges will show you the percentage of students enrolled at Miramar college that persisted to another college (or to any one college within the district).

You can also select type of persistence under the same filter "Persistence" for each colleges within the district. See V. Persistence Definitions Flow Chart-Type of Persistence for details on the different types of persistence data.

V. Persistence Definitions Flow Chart

Primary Term Persistence ("Fall to Spring")



Annual Persistence ("Fall to Spring" or "Fall to Fall" or "Fall to Spring to Fall")



Examples above all show "Fall" as the starting term. Definitions apply when "Fall" and "Spring" are switched. For example, "Spring to Fall" counts as Primary Term Persistence.

College Specific Persistence: All persistence definitions apply to when a student is enrolled in a primary term at Miramar College. Counts and percentages can be adjusted to reflect to where students persisted across four options.



Type of Persistence: Persistence is defined as a student enrolling in any course in a primary term and enrolling in any course in a subsequent primary term. To allow for more interesting analysis, we expanded the data to include persistence by same subject and by same course (repetition).



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