



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

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

Image 1. Dashes



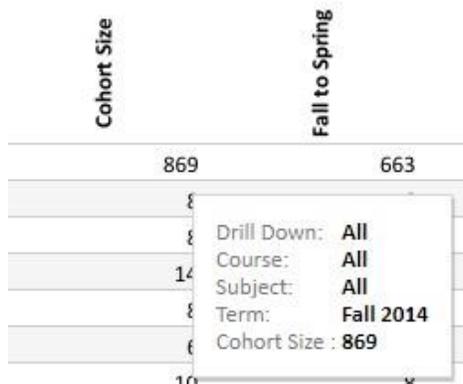
Filter – A tool to help narrow the data presented. Filters allow you to change the parameters under which you view the data (see Image 2).

Image 2. Filters



Hover – To scroll your mouse over a component of the dashboard, such as graph or table cell. This typically allows you to see more information (see Image 3).

Image 3. Hover



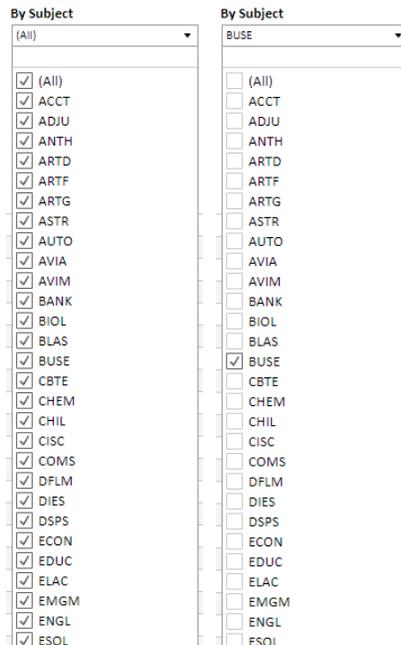
Please refer to the **Operational Definitions** dash for explanations of terminology related to persistence.

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 downward-pointing triangle below the “By Subject” filter.
2. Uncheck the box to the left of “(All)” and check the box for any discipline you are interested in. We will select “BUSE” for this tutorial (see Image 4).
3. You can check the box to the left of “(All)” to include all disciplines again.

Image 4. Select Subject



The filter(s) applied in this dash will **not** be applied to the others. Switch to other dashes to verify this. Leaving the dashboard idle for an extended period of time may cause the tool to refresh and remove all applied filters.

The “BUSE” selection under “Subject” will be applied **throughout** this tutorial.

By default, the “College specific persistence” filter is set to “Miramar College”. 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.

A. What am I looking at?

The data in the **Persistence** dash is organized by academic “Term”, then by course “Subject”, followed by “Course” title, and lastly by “DI” category. 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 2022 (see Image 5). Use the dashboard sidebar to scroll down to see the rest of the table.

Because only one subject is selected, the “Term” total row is equal to the “Subject” total row. **Be aware** that the values in the total rows are enrollments (not unduplicated headcounts) since a student may be enrolled in more than one course in the same term.

Note that Fall terms have no data on the right side of the table and Spring terms have no data on the left side. This is because a first time to college student cannot persist from Spring to Fall if their first term is in Fall.

Image 5. Table Data

Persistence by (None)				Cohort Size	Fall to Spring	Fall to Spring (%)	Fall to Fall	Fall to Fall (%)
Term	Subject	Course	Drill Down					
Fall 2014	BUSE	Total		29	14	48%	8	28%
		Total		29	14	48%	8	28%
		BUSE 100	Total	17	8	47%		0%
		BUSE 119	Total	12	6	50%		0%
Spring 2015	BUSE	Total		6		0%		0%
		Total		6		0%		0%
		BUSE 100	Total	6		0%		0%
Fall 2015	BUSE	Total		20	10	50%		0%
		Total		20	10	50%		0%
		BUSE 100	Total	20	10	50%		0%
Fall 2016	BUSE	Total		12	8	67%	6	50%
		Total		12	8	67%	6	50%
		BUSE 100	Total	12	8	67%	6	50%
Spring 2017	BUSE	Total		7		0%		0%
		Total		7		0%		0%
		BUSE 100	Total	7		0%		0%
Fall 2017	BUSE	Total		20	12	60%	11	55%
		Total		20	12	60%	11	55%
		BUSE 100	Total	20	12	60%	11	55%
Fall 2018	BUSE	Total		15	6	40%	7	47%
		Total		15	6	40%	7	47%
		BUSE 100	Total	15	6	40%	7	47%

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 only academic years between “2017/18” and “2020/21”. The **Persistence** dash will be updated to show only one row of unique data for each of the eight 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.

Alternatively, you could have used the “Cohort Term (First Time to College)” filter to see the same corresponding academic years.

Image 6. Persistence of a Course over Time

Persistence by (None)				Cohort Size	Fall to Spring	Fall to Spring (%)	Fall to Fall	Fall to Fall (%)	Fall-Spring-Fall	Fall-Spring-Fall (%)
Term	Subject	Course	Drill Down							
Fall 2017	BUSE	BUSE 100	Total	20	12	60%	11	55%	10	50%
			Total	20	12	60%	11	55%	10	50%
			Total	20	12	60%	11	55%	10	50%
Fall 2018	BUSE	BUSE 100	Total	15	6	40%	7	47%	0	0%
			Total	15	6	40%	7	47%	0	0%
			Total	15	6	40%	7	47%	0	0%
Spring 2019	BUSE	BUSE 100	Total	6	0	0%	0	0%	0	0%
			Total	6	0	0%	0	0%	0	0%
			Total	6	0	0%	0	0%	0	0%
Fall 2019	BUSE	BUSE 100	Total	9	6	67%	0	0%	0	0%
			Total	9	6	67%	0	0%	0	0%
			Total	9	6	67%	0	0%	0	0%
Fall 2020	BUSE	BUSE 100	Total	22	16	73%	11	50%	10	45%
			Total	22	16	73%	11	50%	10	45%
			Total	22	16	73%	11	50%	10	45%
Spring 2021	BUSE	BUSE 100	Total	6	0	0%	0	0%	0	0%
			Total	6	0	0%	0	0%	0	0%
			Total	6	0	0%	0	0%	0	0%

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

Use the “By DIs” filter and select “Gender”. As you can see in the **Persistence** dash, the updated table now shows that 9 female students and 11 male students made up the “Fall 2017” cohort of “BUSE 100” (see Image 7). You can now compare the persistence rates by gender within and across the selected terms. The “Course” total row retains the persistence data at the course level, as if no “Drill Down” filter was applied (compare to Image 6). Now remove the “By DIs” filter.

Image 7. Persistence by Gender

Persistence by Gender				Cohort Size	Fall to Spring	Fall to Spring (%)	Fall to Fall	Fall to Fall (%)	Fall-Spring-Fall	Fall-Spring-Fall (%)
Term	Subject	Course	Drill Down							
Fall 2017	BUSE	BUSE 100	Total	20	12	60%	11	55%	10	50%
			Total	20	12	60%	11	55%	10	50%
			Female	9	7	78%	6	67%	6	67%
			Male	11	0	0%	0	0%	0	0%
Fall 2018	BUSE	BUSE 100	Total	11	0	0%	0	0%	0	0%
			Total	11	0	0%	0	0%	0	0%
			Male	11	0	0%	0	0%	0	0%
Fall 2020	BUSE	BUSE 100	Total	22	16	73%	11	50%	10	45%
			Total	22	16	73%	11	50%	10	45%
			Female	6	0	0%	0	0%	0	0%
			Male	16	11	69%	7	44%	6	38%

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

In the **Persistence** dash, use the “Campus specific persistence” filter to select “City College”. 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 6 students in “BUSE 100” of Fall 2020 enrolled in a course at City College the next term (see Image 8). Use the filter to show data for “Miramar College” again.

Image 8. Persistence to another College

Persistence by (None)				Cohort Size	Fall to Spring	Fall to Spring (%)	Fall to Fall	Fall to Fall (%)	Fall-Spring-Fall	Fall-Spring-Fall (%)
Term	Subject	Course	Drill Down							
Fall 2017	Total			20		0%		0%		0%
	BUSE	Total		20		0%		0%		0%
Fall 2018	BUSE	BUSE 100	Total	20		0%		0%		0%
	Total			15		0%		0%		0%
	BUSE	Total		15		0%		0%		0%
Spring 2019	BUSE	BUSE 100	Total	15		0%		0%		0%
	Total			6		0%		0%		0%
	BUSE	Total		6		0%		0%		0%
Fall 2019	BUSE	BUSE 100	Total	6		0%		0%		0%
	Total			9		0%		0%		0%
	BUSE	Total		9		0%		0%		0%
Fall 2020	BUSE	BUSE 100	Total	9		0%		0%		0%
	Total			22	6	27%		0%		0%
	BUSE	Total		22	6	27%		0%		0%
	BUSE	BUSE 100	Total	22	6	27%		0%		0%

E. How many students persisted from two or more courses?

In the dash, use the “By Subject” filter to add “ECON” and the “By Course” filter to add “ECON 120”. The resulting table shows persistence data for both courses within each term (see Image 9). **Be aware** that the total rows represent persistence at the enrollment level (not unduplicated headcount level), because a student may be enrolled in more than one course in the same term.

Image 9. Persistence of more than One Course

Persistence by (None)				Cohort Size	Fall to Spring	Fall to Spring (%)	Fall to Fall	Fall to Fall (%)	Fall-Spring-Fall	Fall-Spring-Fall (%)
Term	Subject	Course	Drill Down							
Fall 2017	Total			35	27	77%	24	69%	23	66%
	BUSE	Total		20	12	60%	11	55%	10	50%
	BUSE	BUSE 100	Total	20	12	60%	11	55%	10	50%
	ECON	Total		15	15	100%	13	87%	13	87%
Fall 2018	ECON	ECON 120	Total	15	15	100%	13	87%	13	87%
	Total			28	14	50%	15	54%	12	43%
	BUSE	Total		15	6	40%	7	47%		0%
	BUSE	BUSE 100	Total	15	6	40%	7	47%		0%
Spring 2019	ECON	Total		13	8	62%	8	62%	7	54%
	ECON	ECON 120	Total	13	8	62%	8	62%	7	54%
	Total			6		0%		0%		0%
	BUSE	Total		6		0%		0%		0%
Fall 2019	BUSE	BUSE 100	Total	6		0%		0%		0%
	Total			20	15	75%	8	40%	8	40%
	BUSE	Total		9	6	67%		0%		0%
	BUSE	BUSE 100	Total	9	6	67%		0%		0%
Fall 2020	ECON	Total		11	9	82%	7	64%	7	64%
	ECON	ECON 120	Total	11	9	82%	7	64%	7	64%
	Total			35	29	83%	21	60%	20	57%
	BUSE	Total		22	16	73%	11	50%	10	45%
Spring 2021	BUSE	BUSE 100	Total	22	16	73%	11	50%	10	45%
	Total			13	13	100%	10	77%	10	77%
	ECON	Total		13	13	100%	10	77%	10	77%
	ECON	ECON 120	Total	13	13	100%	10	77%	10	77%
Spring 2021	Total			6		0%		0%		0%
	BUSE	Total		6		0%		0%		0%
	BUSE	BUSE 100	Total	6		0%		0%		0%