



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Navigating MCAD

An Introduction to Using My Course Analytics Dashboard

Last revision: November 2023

My Course Analytics Dashboard



The **My Course Analytics Dashboard (MCAD)** is designed to provide faculty and graduate student instructors with student diversity information that they can use to support their instructional goals. This tool makes it easy for instructors to learn more about the diversity of students who enroll in their courses and about how different student populations are performing. Data is available for *previous* semesters, not the current semester. Consultations, workshops, and print resources are available through the Center for Faculty Excellence to help instructors make the most of their course data.

How to Access MCAD

[I am a new user](#)

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[UNC undergraduate student demographic data \(2010-2016\)](#)

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This tutorial serves as an introduction to using My Course Analytics Dashboard (MCAD), which can be accessed at cfe.unc.edu/mcad/. This site, hosted by the Center for Faculty Excellence, includes a variety of **resources** designed to help instructors make the most of the course data available through this tool.

My Course Analytics Dashboard



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Under **How to Access MCAD**, select either *I am a returning user* or *I am a new user*. New users will be directed to the required orientation module in Canvas. Returning users will be directed to their personal MCAD account.



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Single Sign-On

Onyen -or- UNC Guest ID

Password

Sign in

Reset password for [Onyen](#) | [UNC Guest ID](#) or get [help](#).

Important To protect your personal information, you must close every instance of this browser that is open on your computer when you log out.

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Authentication with Duo is required for the requested service.

The screenshot shows a Duo authentication interface. At the top left is the university logo, and at the top right is a 'Settings' button. Below the logo is the text 'Device:' followed by a dropdown menu currently showing 'iOS (XXX-XXX-2631)'. There are two green buttons: 'Send Me a Push' and 'Call Me'. At the bottom of the interface, a blue banner displays the text 'Pushed a login request to your device...' and a 'Cancel' button.

[Cancel this Request](#)

- [> Need Help?](#)

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You will be asked to log in with your ONYEN, and may be asked to Duo authenticate as well.

The Carolina Analytics Portal is the new home for University-level dashboards. Access for each dashboard is managed separately, so individuals may not have access to all dashboards. Click the link on a dashboard to see a description and the intended audience.

Use of the portal, dashboards, and underlying data is covered by the same [Terms of Use for Administrative Systems](#) that apply to ConnectCarolina and other reporting tools.

All

Academics

Finance

Human Resources

Research

Multiple Categories



[Academic Unit
Summary Report](#)



[Campus Check In
\(COVID-19\) Student
Survey Dashboard](#)



[Carolina Metrics](#)



[COVID-19 Tracking
Dashboard](#)



[Demographics
Dashboard](#)



[Graduation and
Retention Report](#)



[My Course Analytics
Dashboard \(MCAD\)](#)



[NIH Research Awards
Dashboard](#)



[Procurement - Low
Dollar Spend
Dashboard](#)

After you have completed the MCAD orientation in Canvas, you can also access My Course Analytics Dashboard through the University's Carolina Analytics Portal at <https://analytics.unc.edu/>.



My Course Analytics Dashboard (MCAD)

[View Dashboard](#)

Questions?

Contact Institutional Research and Assessment (IRA) Dashboard Team

oir_dashboards@unc.edu

Description

The My Course Analytics Dashboard (MCAD) was designed to provide course instructors with student diversity information that they can use to improve their instruction. Instructors will be able to view data on each course they have taught during the past decade.

Intended Use

This tool makes it easy for instructors to learn more about the diversity of students who enroll in their courses and about how different student populations are performing.

Consultations, workshops, and print resources are available through the [Center for Faculty Excellence](#) to help instructors make the most of their course data. A tutorial on the use of MCAD and some of its functions is available at:

Select the **View Dashboard** link to access your MCAD course data.



My Course Analytics Dashboard (MCAD)

Demo mode is OFF

Demographics

Grade Distribution

Grade Trends

Custom Reporting

About MCAD

Examine Data by Groups

Term Type

(None)

Term Year

(None)

Course

(None)

Class Section

(None)

Get Started with the Resources Below

[Video: Tableau Basics](#)

[How to: MCAD Navigation](#)

Change Demo Mode

Off

Logged in as: None

This is the landing page for MCAD. The **Resources box** at the bottom left includes links to the MCAD Navigation primer and a short orientation video about Tableau, the data visualization software used to create the current version of the MCAD interface.

My Course Analytics Dashboard

(MCAD)

Please select a view below.

Demographics

Grade Distribution

Grade Trends

Custom Reporting

Logged in as: DEMO Instructor

Demo mode is ON

Global Filters

Term Type

Fall

Term Year(s)

(Multiple values)

Course

TEST200

Class Section

001

Get Started with the Resources Below

[Video: Tableau Basics](#)

Demo Mode

Demo mode is ON

The Demo Mode option allows you to demonstrate the MCAD to colleagues without having to worry about displaying actual course data. When Demo Mode is on, the data displayed is fictional.

NOTE: When Demo Mode is on, the text **Demo Mode is ON** will be displayed on all the pages.

My Course Analytics Dashboard (MCAD)

Demo mode is ON

Demographics

Grade Distribution

Grade Trends

Custom Reporting

About MCAD

Examine Data by Groups

Term Type

(All)

Term Year

(All)

Course

(All)

Class Section

(All)

Get Started with the Resources Below

[Video: Tableau Basics](#)

[How to: MCAD Navigation](#)

Change Demo Mode

On

Logged in as: Demonstration Instructor

Begin by selecting the term(s), term year(s), course(s), and course section(s) you want to explore. If you leave the filters set to All, the search will show the aggregate data for *all* courses you have taught at UNC.

My Course Analytics Dashboard (MCAD)

Demo mode is ON

Demographics

Grade Distribution

Grade Trends

Custom Reporting

About MCAD

Filters

Term Type: (All)

Term Year: (All)

Course: (All)

Class Section: (All)

- (All)
- 2022
- 2021
- 2020
- 2019
- 2018
- 2017
- 2016
- 2015
- 2014
- 2013
- 2012

Get Started with the Resources Below

[Video: Tableau Basics](#)

[How to: MCAD Navigation](#)

Change Demo Mode

On

Logged in as: Demonstration Instructor

To set and save a filter (e.g., Term Year), uncheck the All box and then select the term(s) you like. It works the same way for the other landing page filters.

My Course Analytics Dashboard (MCAD)

Demo mode is ON

Demographics

Grade Distribution

Grade Trends

Custom Reporting

About MCAD

Filters



Term Type

(All)

Term Year

(All)

Course

(All)

Class Section

(All)

Get Started with the Resources Below

[Video: Tableau Basics](#)

[How to: MCAD Navigation](#)

Change Demo Mode



On

Logged in as: Demonstration Instructor

The Filters icon  appears on each page. You can use this tool at any time to set or change filters for the data you are exploring.

My Course Analytics Dashboard (MCAD)

Demo mode is ON

Demographics

Grade Distribution

Grade Trends

Custom Reporting

About MCAD

Filters ✕

Term Type (All) ▾	Term Year (All) ▾	Course (All) ▾	Class Section (All) ▾
Gender (All) ▾	Age (All) ▾	Race/Ethnicity (All) ▾	Residency (All) ▾
First Generation (All) ▾	Admit Type (All) ▾	Under Represented Minority Status (All) ▾	NC County Tier Designation (All) ▾
Pell Status (All) ▾			

Get Started with the Resources Below

[Video: Tableau Basics](#)

[How to: MCAD Navigation](#)

Change Demo Mode ⓘ

On ▾

Logged in as: Demonstration Instructor

These are the demographic variables available under Filters.

My Course Analytics Dashboard (MCAD)

Demo mode is ON

Demographics

Grade Distribution

Grade Trends

Custom Reporting

About MCAD

Filters

Term Type

(All)

Term Year

(All)

Course

(All)

Class Section

(All)

Get Started with the Resources Below

[Video: Tableau Basics](#)

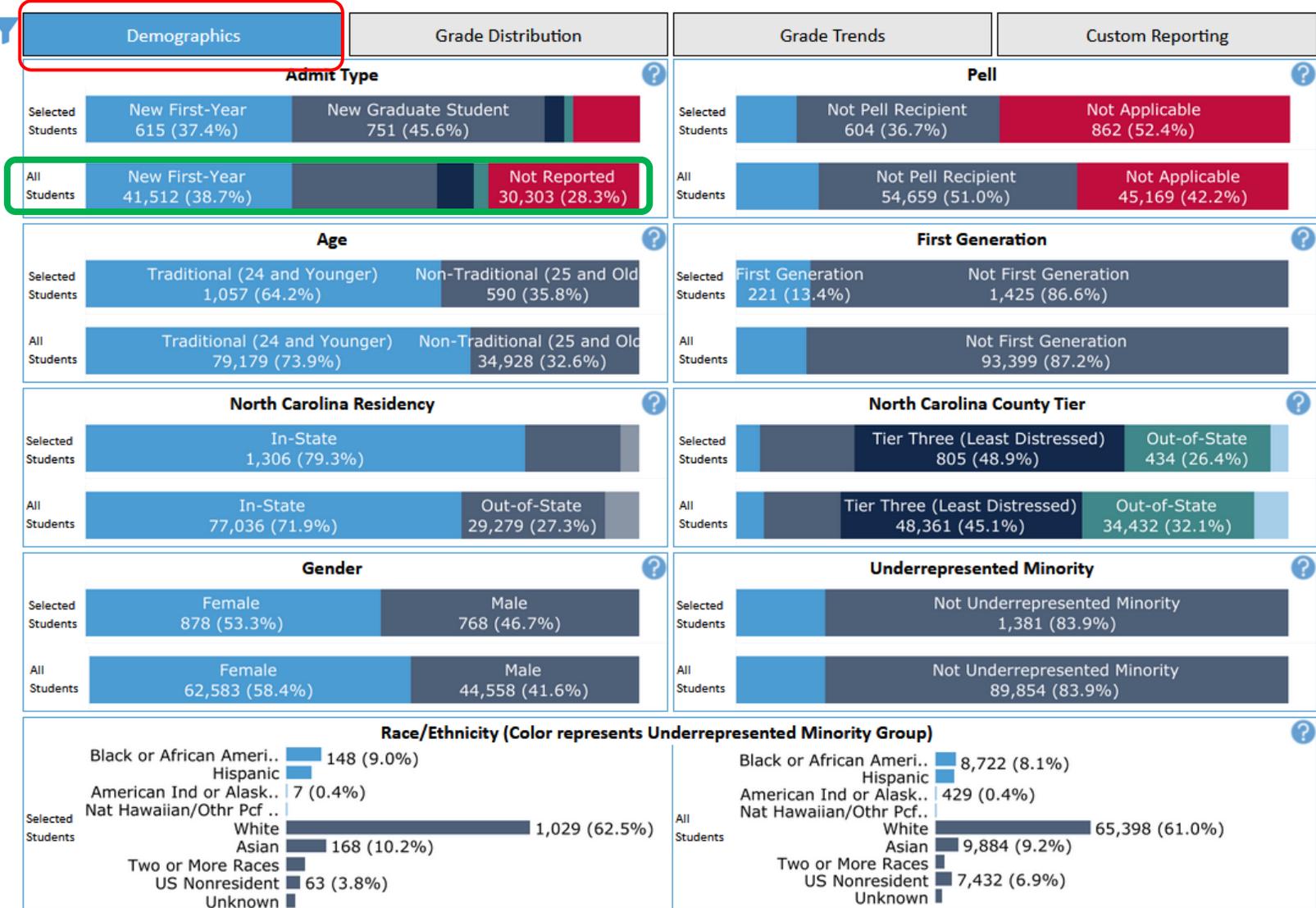
[How to: MCAD Navigation](#)

Change Demo Mode

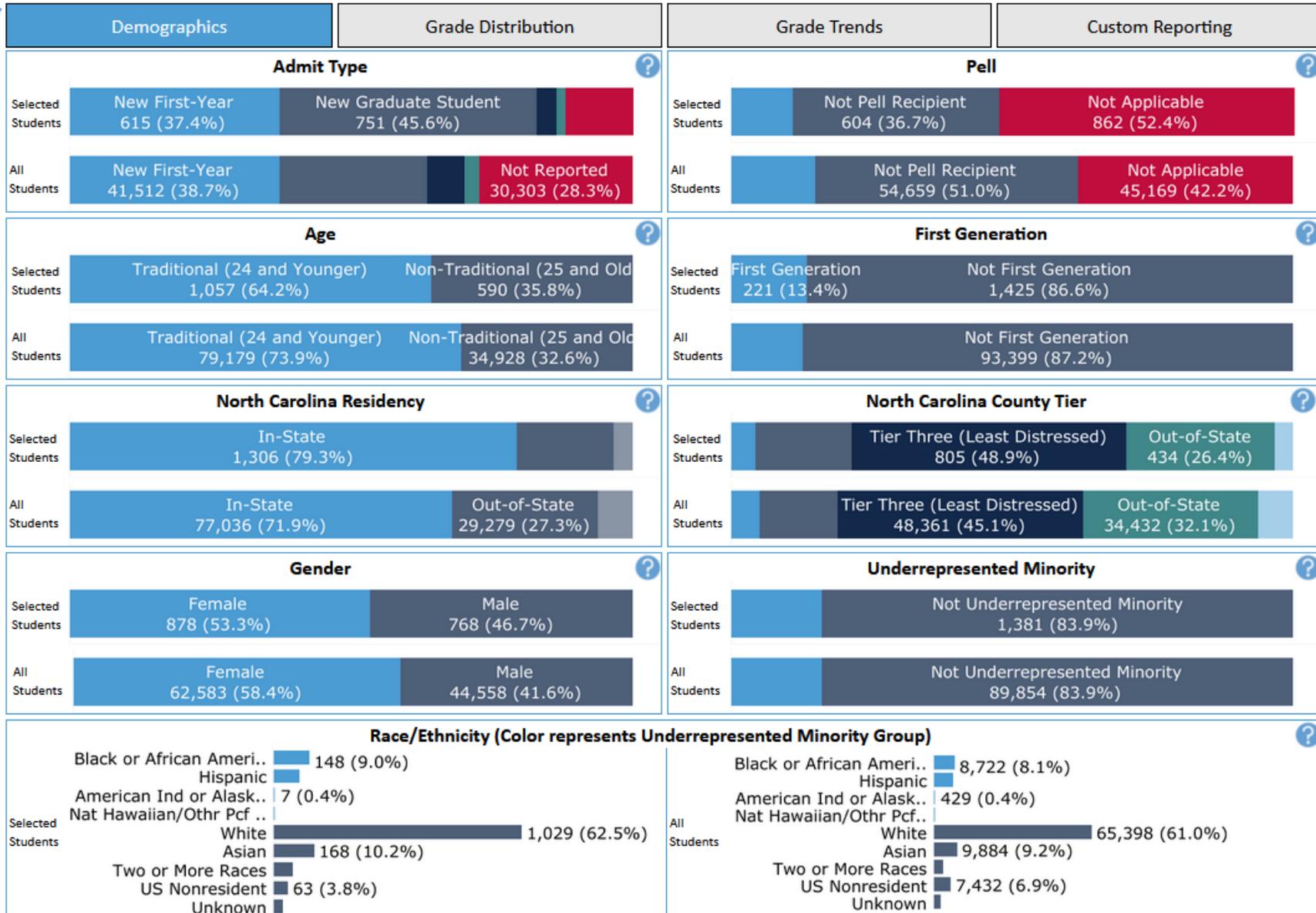
On

Logged in as: Demonstration Instructor

Once you have selected your courses, you can learn more about the students who enrolled in those courses (Demographics), their grade distributions by demographic (Grade Distribution), and grade distribution averages across multiple semesters (Grade Trends). You can also create your own custom data views (Custom Reporting).



The **Demographics tab** displays the student demographic breakdowns for the courses you have selected. If you do not select a specific course and semester, the demographic data for *all* the courses you have taught at UNC will be displayed. The **lower box** in each section shows the demographic breakdown for *all* students at UNC. This provides an easy way to compare your course demographic profiles with the University's. The comparison also displays in the bottom panel.



To view course data in a table format, select the **Show Crosstab button**.....

View by Demographics

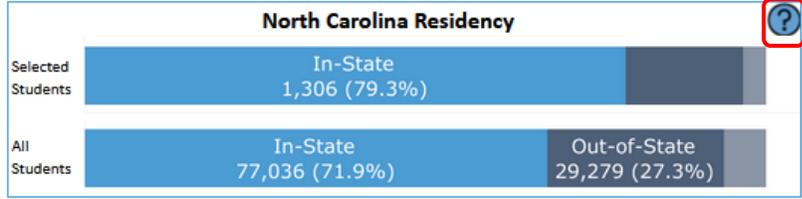
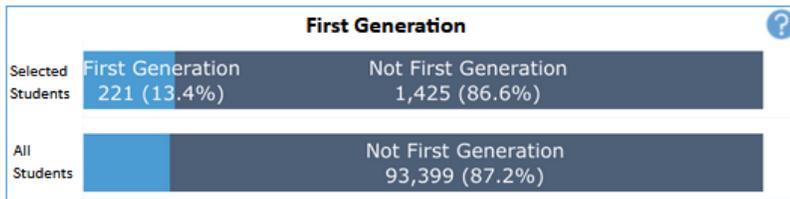
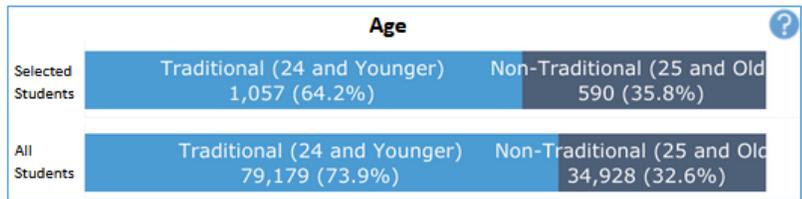
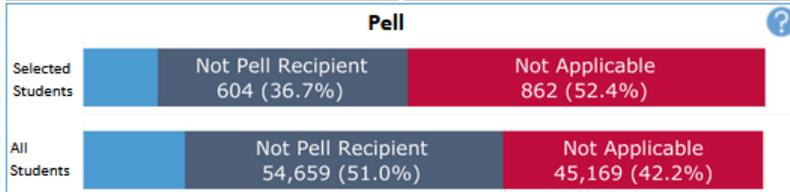
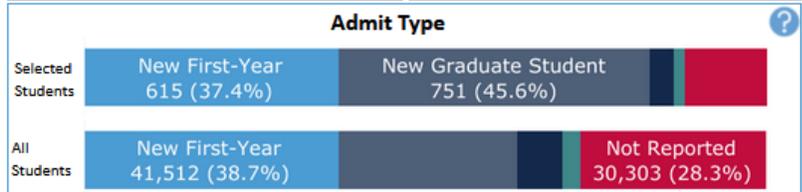
Gender

Selected Enrollments

Course	Class Secti..	STRM	TERM	Female		Male		Grand Total		
				#	%	#	%	#	%	
DEMO85	001	2229	Fall 2022	19	79.2%	5	20.8%	24	100.0%	
DEMO89	001	2152	Spring 2015	16	69.6%	7	30.4%	23	100.0%	
DEMO89H	001	2142	Spring 2014	19	79.2%	5	20.8%	24	100.0%	
DEMO100	001	2144	Summer II 2..	1	6.3%	15	93.8%	16	100.0%	
DEMO101	001	2153	Summer I 2..	10	52.6%	9	47.4%	19	100.0%	
		2169	Fall 2016	10	50.0%	10	50.0%	20	100.0%	
		2179	Fall 2017	5	55.6%	4	44.4%	9	100.0%	
		2204	Summer II 2..	34	64.2%	19	35.8%	53	100.0%	
DEMO10..	401	2202	Spring 2020	17	70.8%	7	29.2%	24	100.0%	
		403	2183	Summer I 2..	17	85.0%	3	15.0%	20	100.0%
		404	2123	Summer I 2..	13	56.5%	10	43.5%	23	100.0%
		432	2182	Spring 2018	9	33.3%	18	66.7%	27	100.0%
DEMO102	0002	2162	Spring 2016	13	54.2%	11	45.8%	24	100.0%	
DEMO10..	401	2133	Summer I 2..	10	71.4%	4	28.6%	14	100.0%	
		2164	Summer II 2..	10	62.5%	6	37.5%	16	100.0%	
		402	2194	Summer II 2..	10	71.4%	4	28.6%	14	100.0%
DEMO103	402	2229	Fall 2022	22	95.7%	1	4.3%	23	100.0%	
DEMO105	001	2224	Summer II 2..	10	43.5%	13	56.5%	23	100.0%	
		007	2219	Fall 2021	11	84.6%	2	15.4%	13	100.0%
		012	2204	Summer II 2..	12	66.7%	6	33.3%	18	100.0%
		0001	2223	Summer I 2..	13	68.4%	6	31.6%	19	100.0%
DEMO106	990	2174	Summer II 2..	8	44.4%	10	55.6%	18	100.0%	

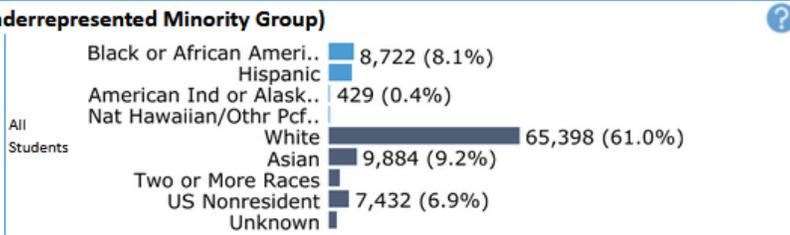
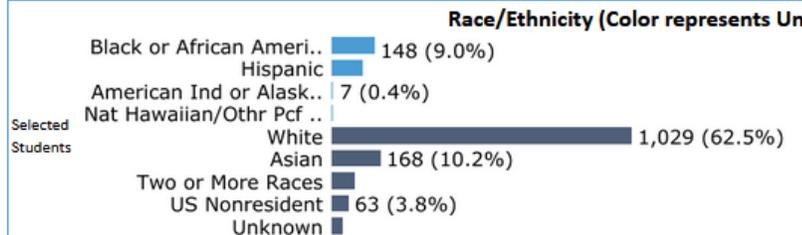
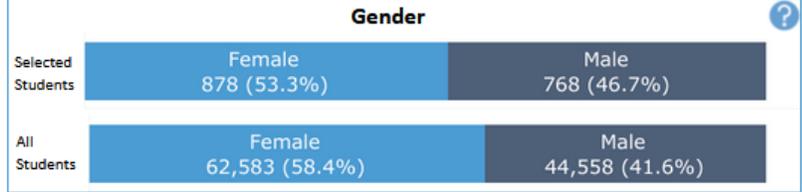
In Crosstab mode, you can **select a demographic variable** to view in data table format. To return to view by graphs, select the **Show Graphs button** at the top right.

Demographics | Grade Distribution | Grade Trends | Custom Reporting

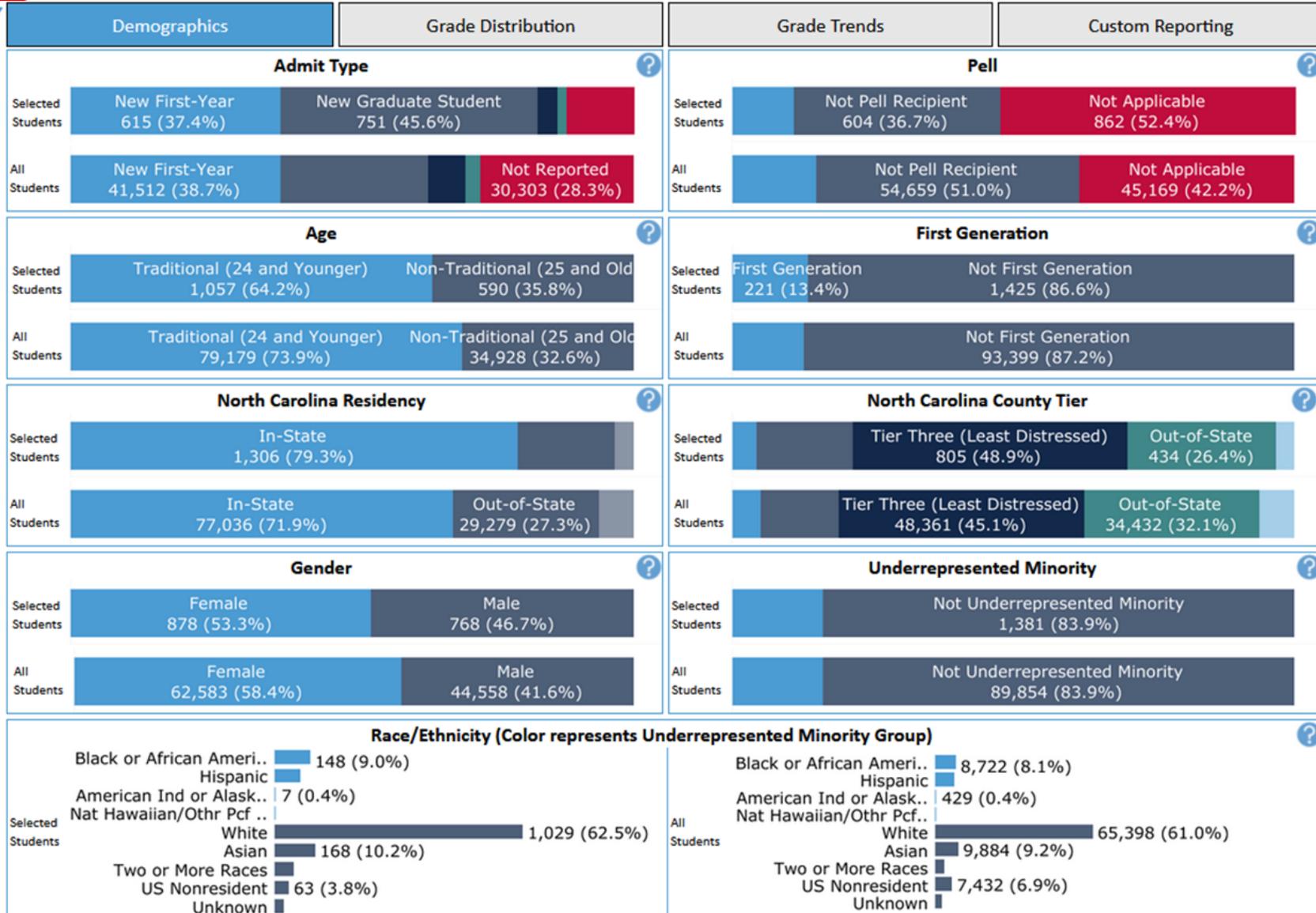


North Carolina County Tier

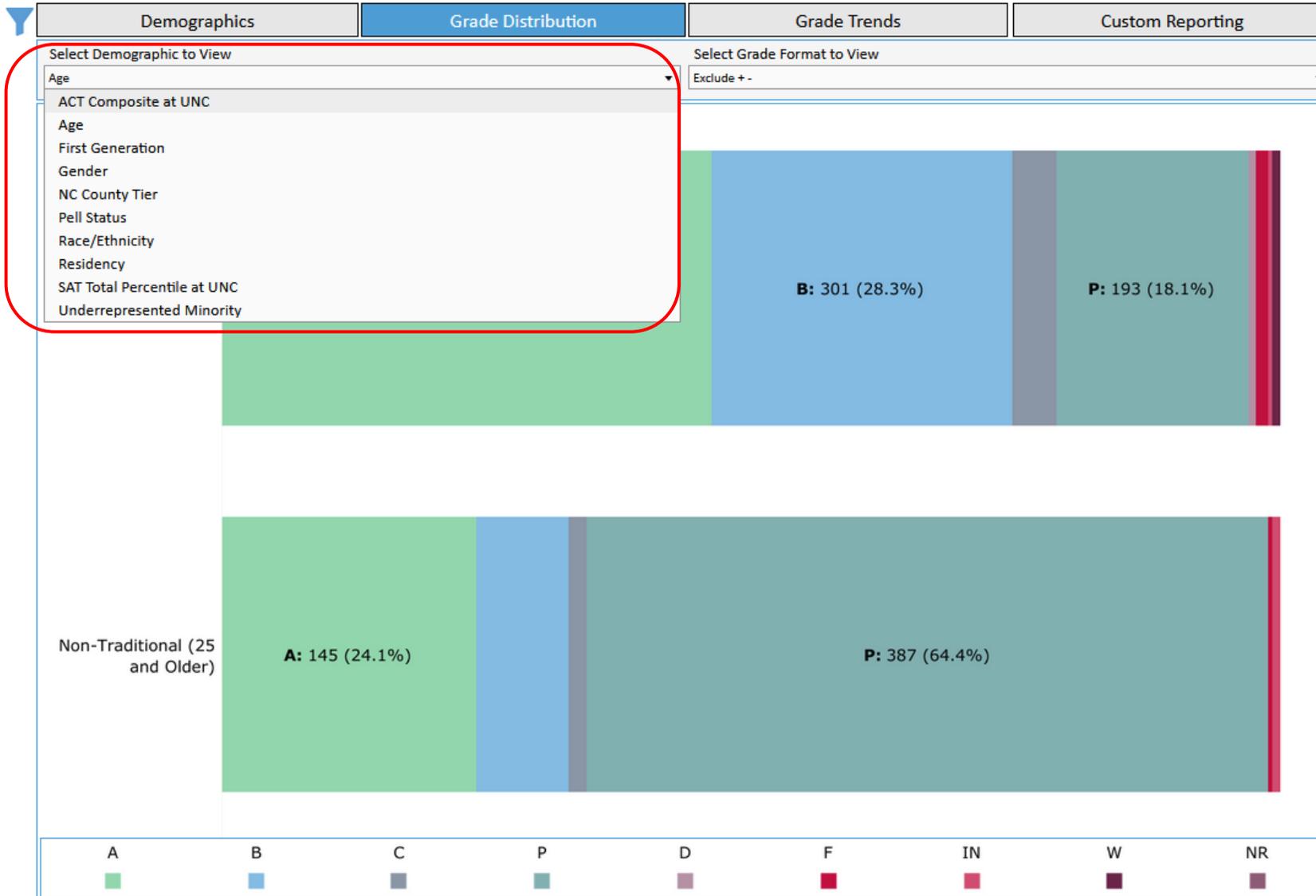
Residency:
The student's residency for tuition purposes categorized as "In-State" (a resident of North Carolina), "Out-of-State" (a resident of a state other than North Carolina), or "International" (a person who is not a citizen or national of the United States and who is in the country on a visa or temporary basis)



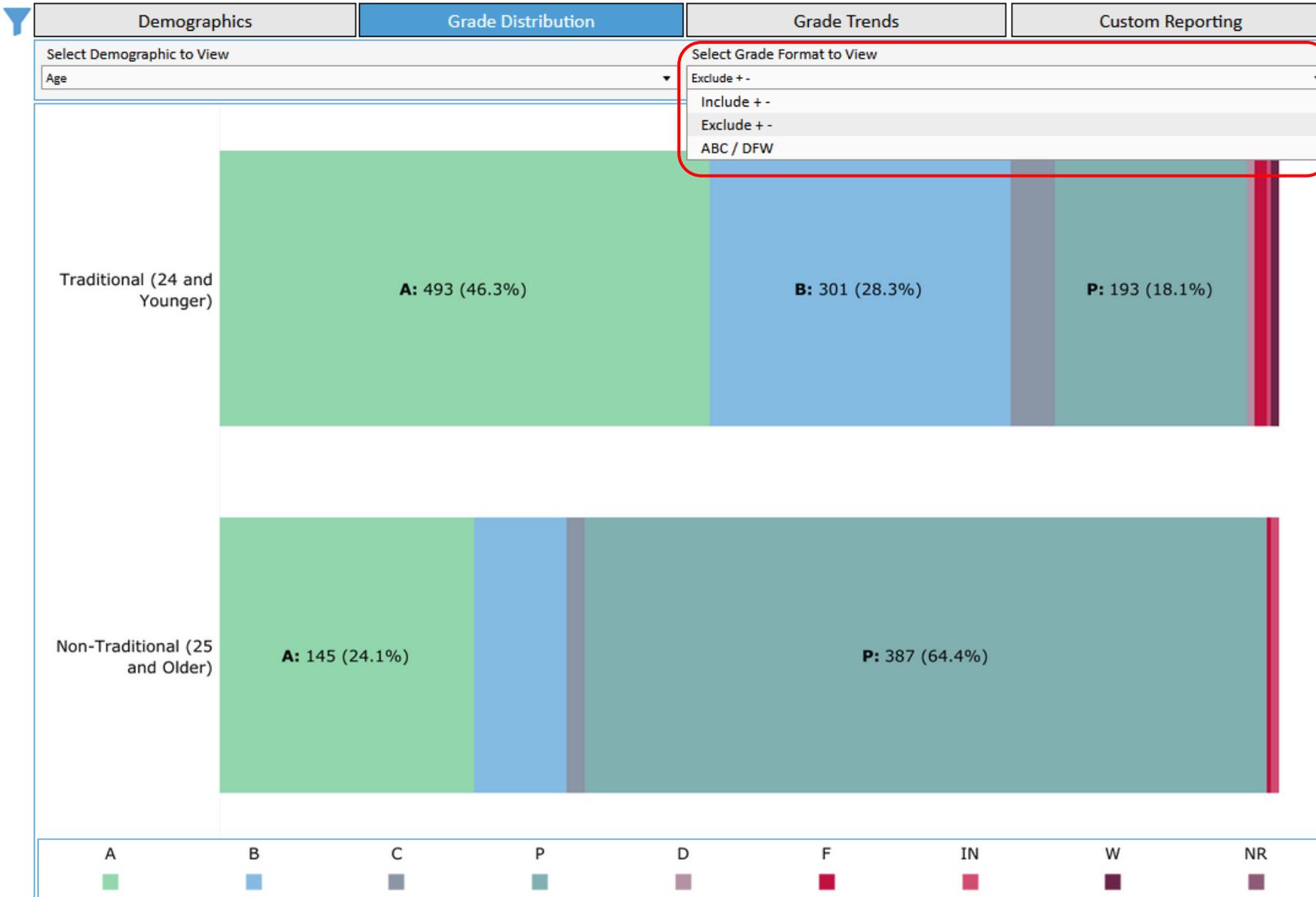
Selecting the **information icon** next any of the data visualizations will display a data definition for that demographic variable.



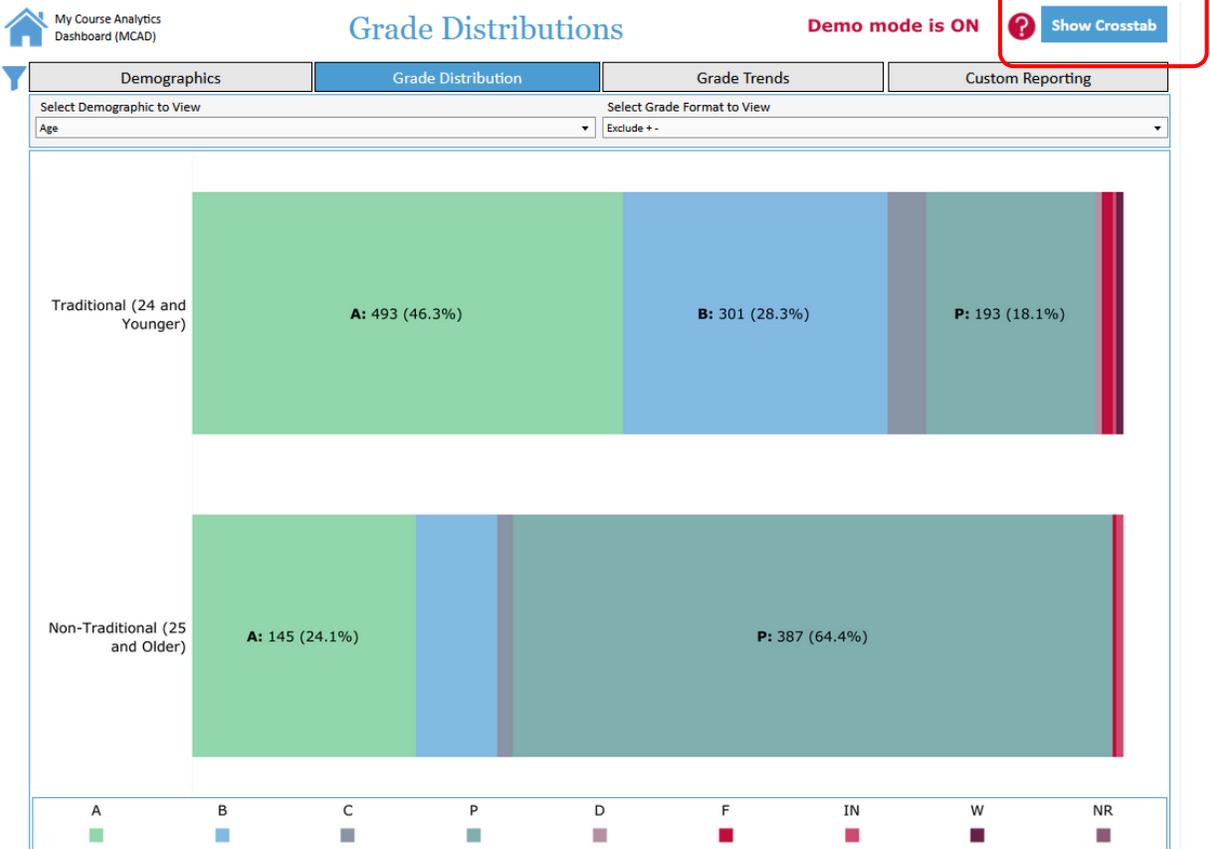
TIP: You can return to the MCAD landing page at any point by clicking on the **Home icon** at the top left of the page.



The **Grade Distribution tab** displays the aggregate grade distribution for the courses you have selected by demographic variables. Use the drop-down menu under **View by Demographic** to select your filter.



TIP: The **View by Grade Range** drop-down menu gives you the option to see your distributions by + and – letter grades as well.



My Course Analytics Dashboard (MCAD) **Grade Distributions** Demo mode is ON [Show Graphs](#)

Demographics | **Grade Distribution** | Grade Trends | Custom Reporting | About MCAD

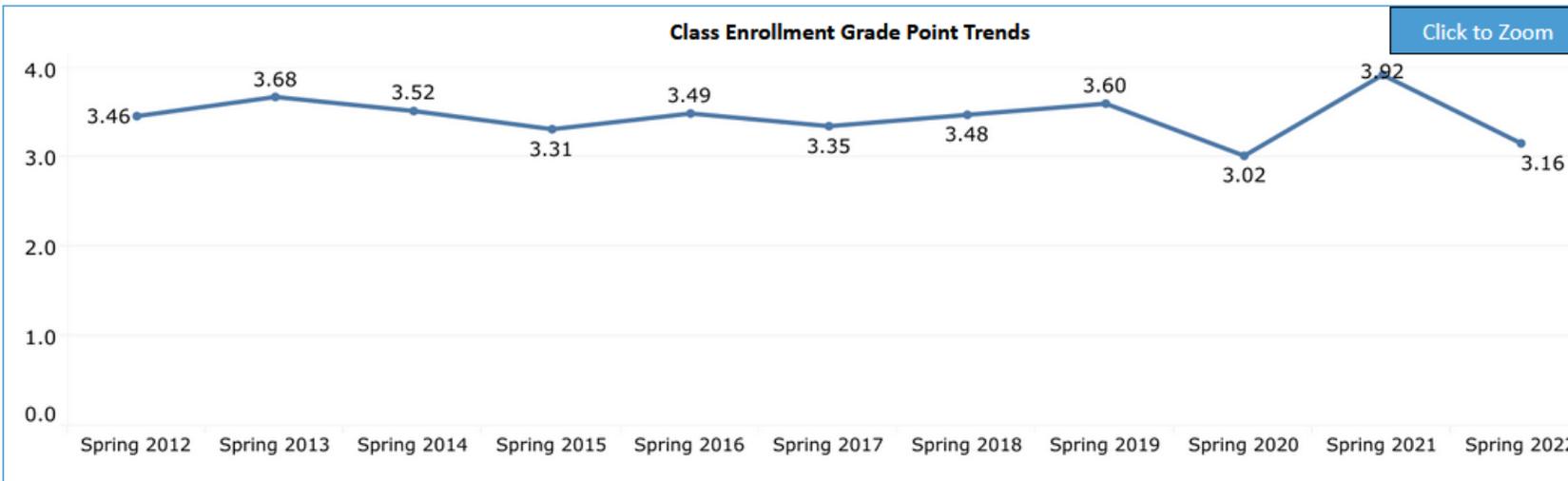
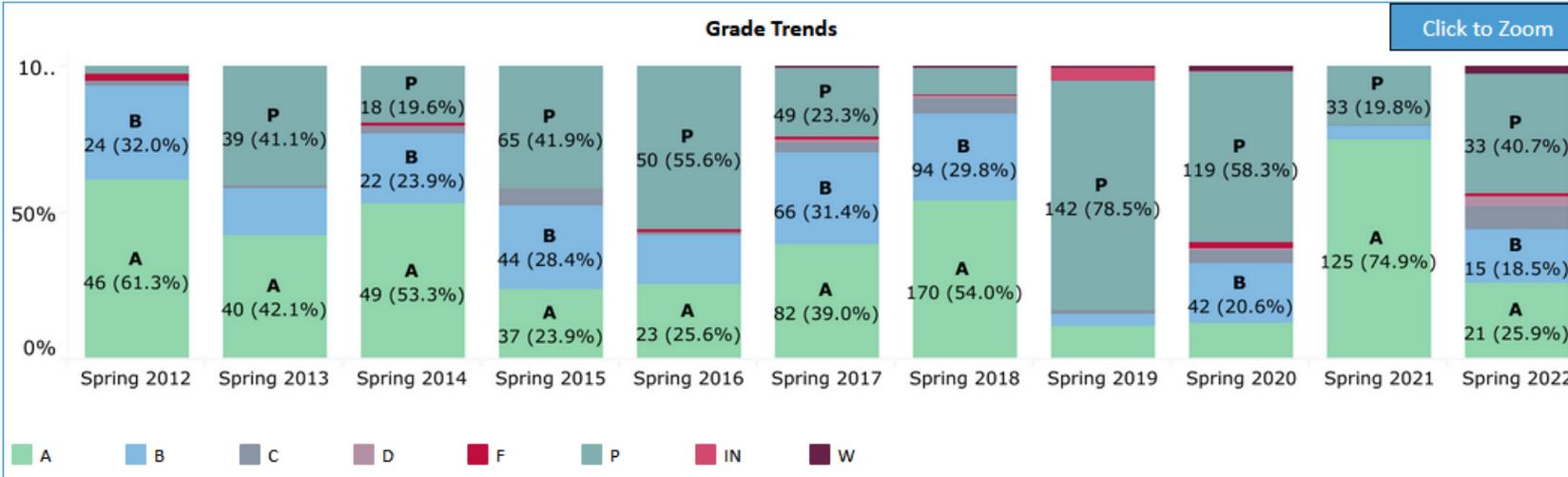
Select Demographic to View: Age | Select Grade Format to View: Exclude +-

		#	Grade Trends	
			% of Group	% of Total
Traditional (24 and Younger)	A	493	46.3%	29.6%
	B	301	28.3%	18.1%
	C	45	4.2%	2.7%
	D	8	0.8%	0.5%
	F	12	1.1%	0.7%
	IN	4	0.4%	0.2%
	P	193	18.1%	11.6%
	W	8	0.8%	0.5%
Total	1,064	100.0%	63.9%	
Non-Traditional (25 and Older)	A	145	24.1%	8.7%
	B	52	8.7%	3.1%
	C	10	1.7%	0.6%
	F	2	0.3%	0.1%
	IN	5	0.8%	0.3%
	P	387	64.4%	23.2%
	Total	601	100.0%	36.1%

Again, the **Show Crosstabs** button displays the data in a spreadsheet format. The **Show Graphs** button toggles back to the graphical view.

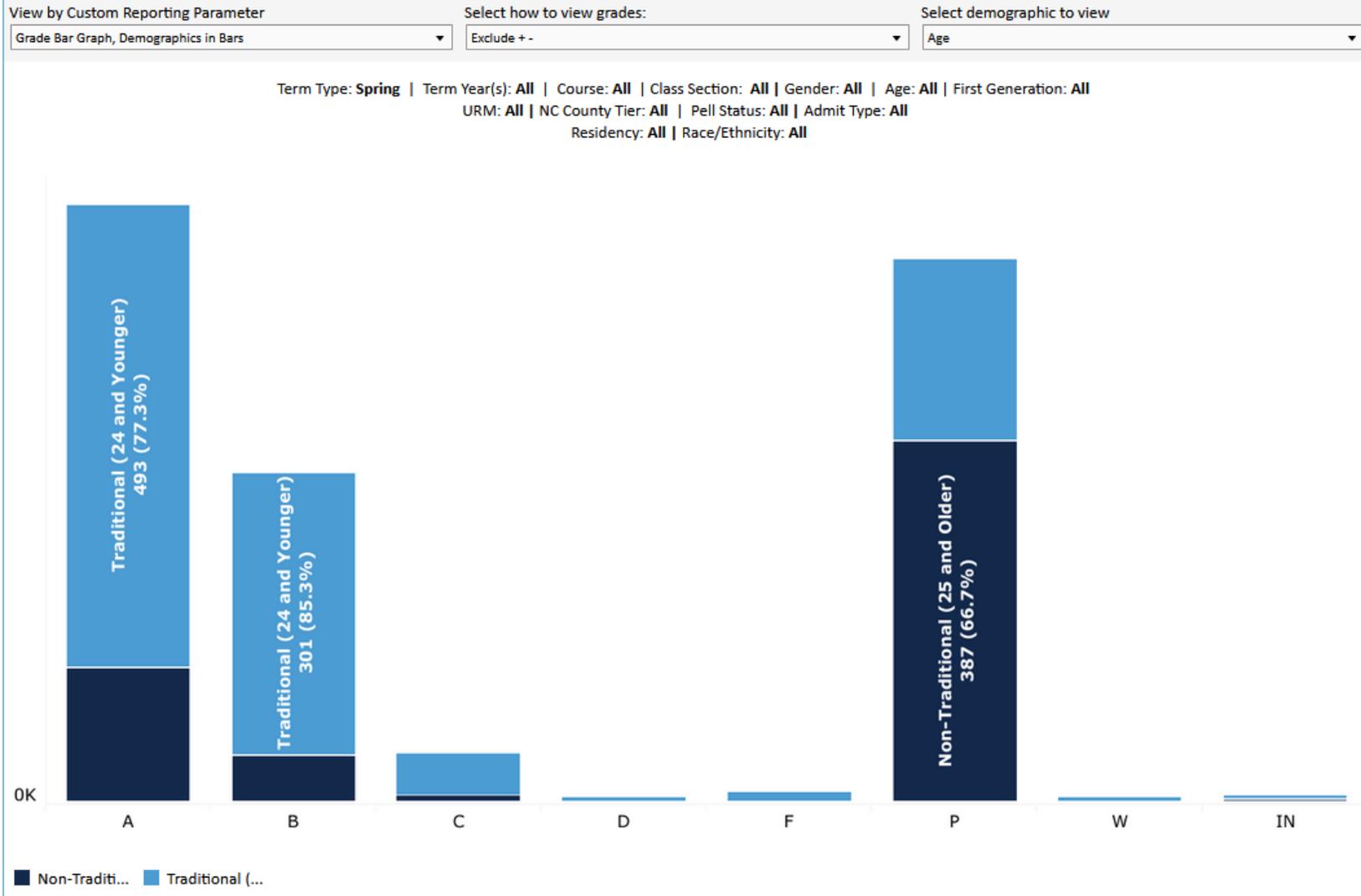
Select Grade Format to view

Exclude + -

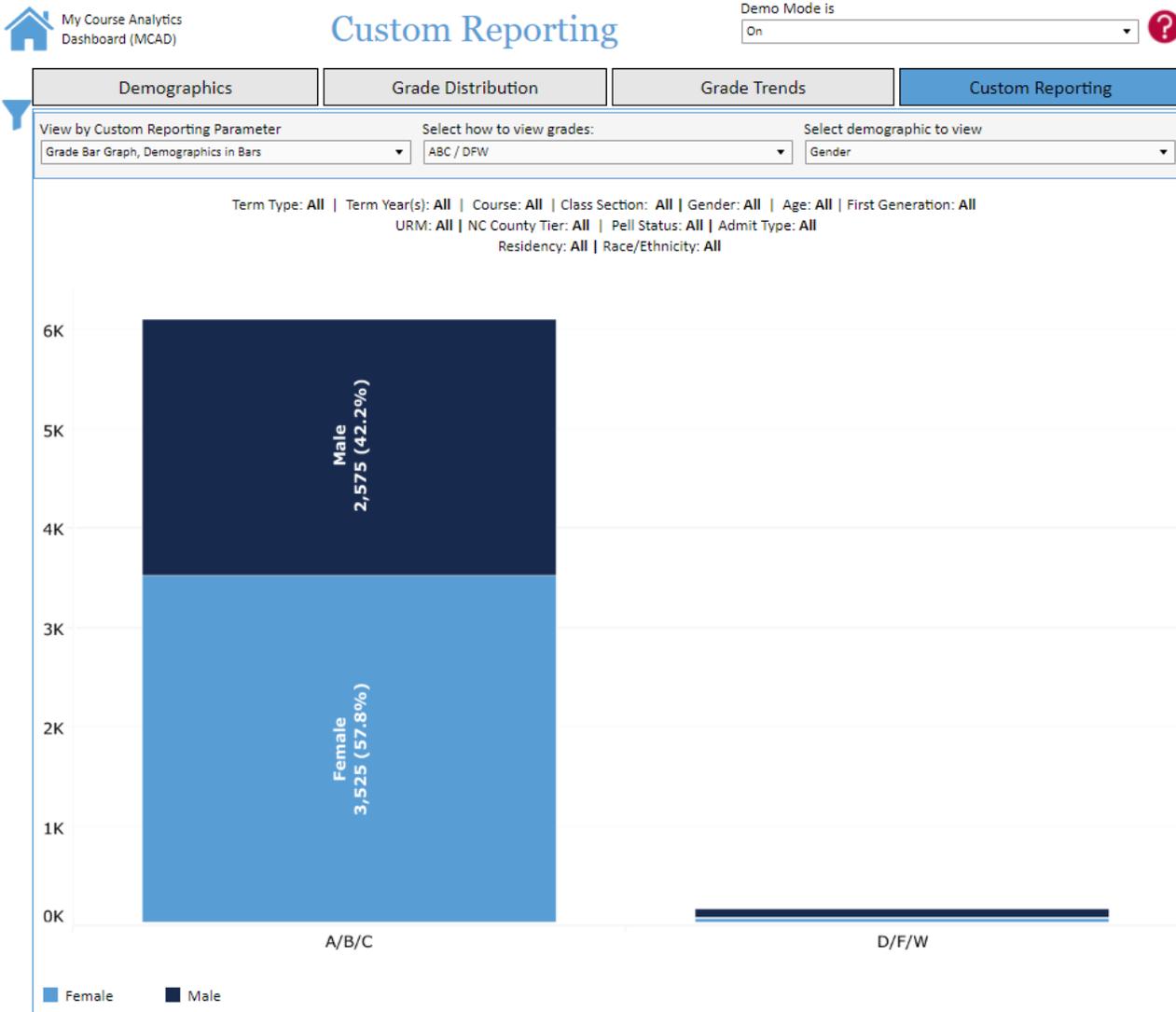


The **Grade Trends tab** provides a view of grade point averages and grade categories (ABC vs DFW rates) across multiple semesters. Again, you can use the Filters tool (top left corner) to further refine your data view.

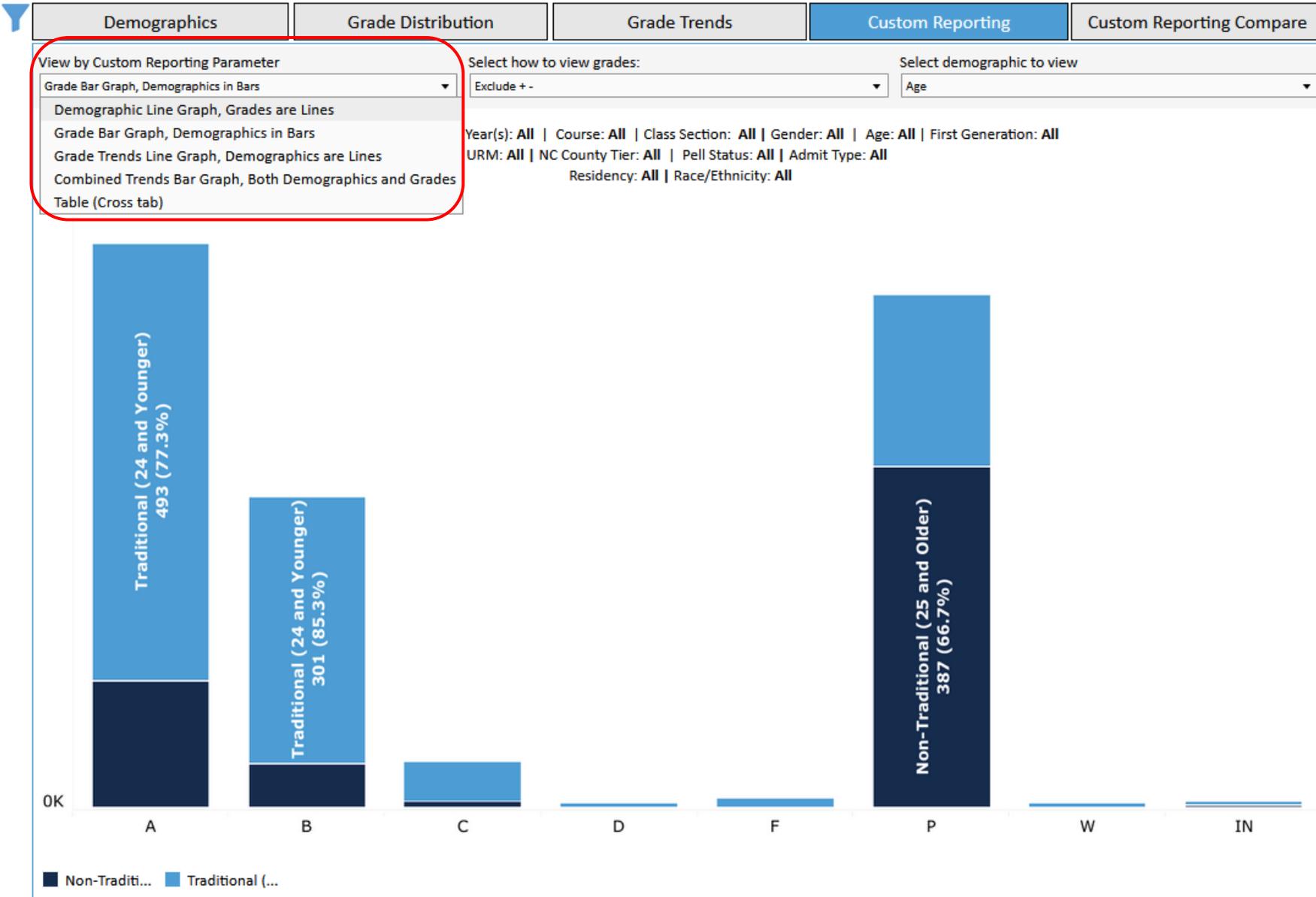
Demographics | Grade Distribution | Grade Trends | **Custom Reporting** | Custom Reporting Compare



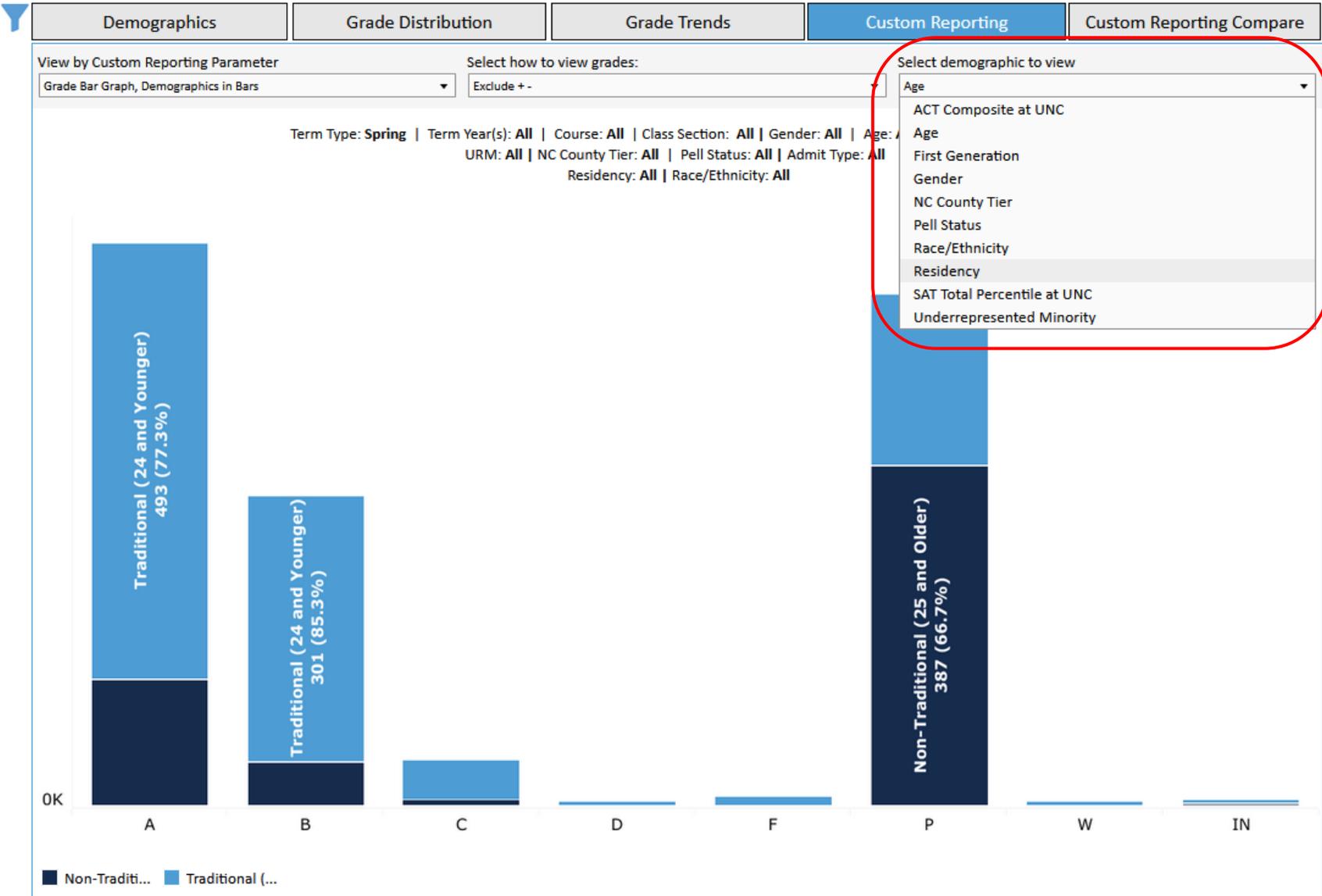
The **Custom Reporting tab** provides the most flexibility for customizing filters and parameters. Selecting the **Custom Reporting Compare tab** opens a new Custom Reporting window on the same page that can be used to facilitate comparisons between custom reports.



This is what the display looks like when the **Custom Reporting Compare** tab is selected. Note that the new window (on the right) does not carry over any of your current filter settings. You will need to set filters for the Custom Reporting Compare window. In the example above, the Compare window displays data from 2020/2021 courses only. To return to the Custom Reporting window and close the Compare window, select the Custom Reporting tab in the lefthand window.



The **View by Data Format** drop-down menu provides you with multiple format options for viewing your custom report. Note that cross tab reports can NOT be downloaded through MCAD.



Use the **View by Demographic** drop-down menu to pick a primary demographic filter. Again, you can apply additional filters through the global filters tool  at the top left.



In order to help you keep track of the filters you have selected for each custom report, they appear above the data visualization graphs.