

Welcome to ASDA!

This site provides insight into the credit schedule build and related institutional processes that rely on the timely delivery of an accessible and equitable course schedule for students and instructors.

Academic Scheduling and Data Analytics (ASDA), in collaboration with several Dallas College partners, develops scheduling management tools and processes to facilitate positive enrollment experiences for students and deliver relevant and reliable scheduling information to academic leaders and faculty to support their preparations for upcoming semesters. The result is a student-centric schedule that creates better outcomes for all stakeholders.

demic Scheduling Partners	
Academic Scheduling/Data Analytics (ASDA)	Facilities Management
Academic Leadership (Deans and Chairs)	Human Resources
Continuing Education (Workforce Advancement)	Information Technology
Curriculum Processing	Special Programs (Emeritus, Honors, IncludED, YearUp, etc.)
Educational Partnerships	Student Services

Together Academic Scheduling and its partners pursue the continued development and delivery of:

- A student-centric course schedule with the adaptability to pivot toward contingencies and the flexibility to accommodate situational anomalies.
- Forward-looking processes that are cognizant of and adaptable to approaching industry shifts and institutional evolutions.
- An environment of heightened responsiveness to both urgent and commonplace issues that routinely occur within interdependent processes.
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Variable	Description
COURSE NAME	Name of the Course offer at Dallas College
MODALITY	Mode of instruction or delivery of courses
Sec Location Desc Cc	Dallas College Campus Location
Sec User16	Academic Period
FA24_Section_Count	2024 Fall Course Section Count
FA23_Section_Count	2023 Fall Course Section Count
FA23_Total_Seats_used	2023 Fall Total number of seats used
FA23_Total_section_capacity	2023 Fall Total number of Section Capacity
FA23_Total_Available_seats	2023 Fall Total number of Available seats
FA23_Avg_Section_Utilization	2023 Fall Average percentage of the Section
	utilization
FA23_Active_Student_Count	2023 Fall number of active students
FA23_Enrollment_Rate	2023 Fall percentage of student students enrolled

Exploratory Data Analysis

The objective of this section is to analyze and investigate the dataset to summarize their characteristics by employing various data visualization methods.

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Descriptive Statistics of the Dataset

	count	mean	std	min	25%	50%	75%	max
FA24_Section_Count	4371.0	2.093571	3.116309	0.0	1.00	1.00	2.00	67.00
FA23_Section_Count	4371.0	1.834820	2.909652	0.0	1.00	1.00	2.00	66.00
FA23_Total_Seats_used	4371.0	34.105010	58.473626	0.0	6.00	19.00	37.00	1228.00
FA23_Total_section_capacity	4371.0	40.555937	63.113448	0.0	15.00	25.00	40.00	1268.00
FA23_Total_Available_seats	4371.0	9.881492	14.532805	-6.0	2.00	6.00	13.00	189.00
FA23_Avg_Section_Utilization	4371.0	58.070140	34.069455	0.0	32.00	70.00	86.00	126.67
FA23_Active_Student_Count	4371.0	30.750172	53.084694	0.0	6.00	17.00	33.00	1136.00
FA23_Enrollment_Rate	4371.0	75.020460	35.655797	0.0	76.47	90.91	98.25	100.00

- On a normal distribution, we expect to have approximately 68% of the values fall within one standard deviation of the mean; 95% within two standard deviations; and 99.7% within three standard deviations.
- The mean values of variables not same as the median values which are represented in the 50% (50th percentile) in the table. Hence, it shows the dataset do not a have normal distribution.
- The non normal distribution is confirmed from the Standard deviation



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PART II: CREATING AN
INTUITIVE DASHBOARD TO
MONITOR ENROLLMENT
TREND AND MAKE
RECOMMENDATIONS.





 Feel free to send your question/suggestion/discussion to:

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