

# AUTOMATIC DATA REPORT

04 September 2025

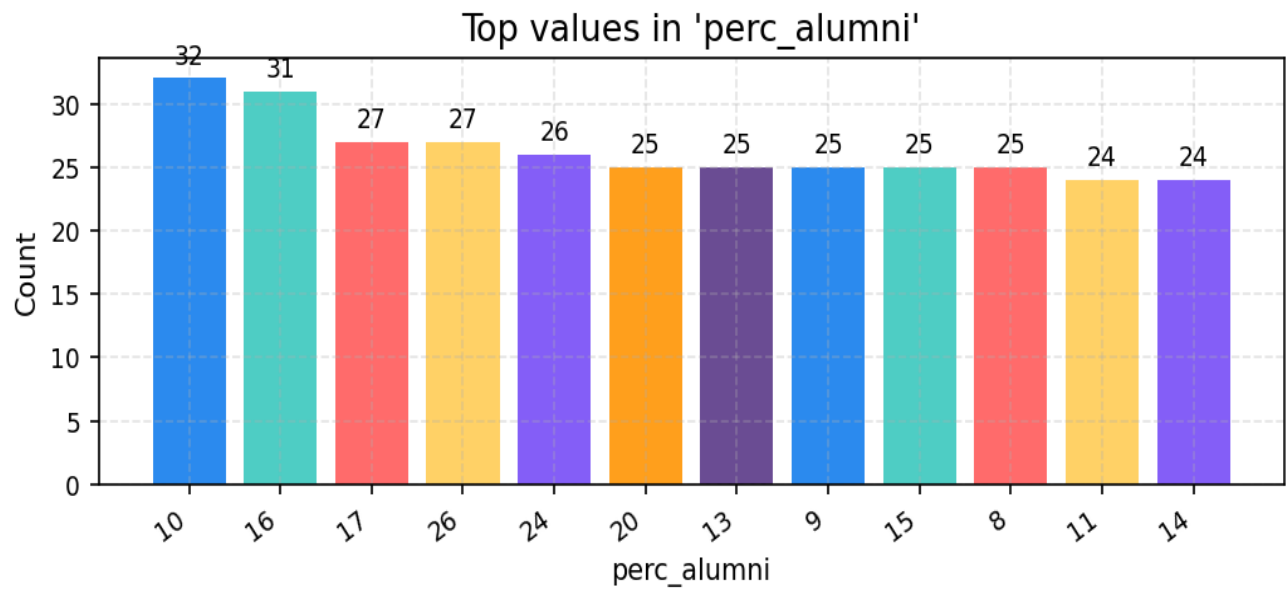
Data preview (first 8 rows)

perc	Top25perc	F_Undergrad	P_Undergrad	Outstate	Room_Board	Books	Personal	PhD	Terminal	S_F_Ratio	perc_al
	52	2885	537	7440	3300	450	2200	70	78	18.1	12
	29	2683	1227	12280	6450	750	1500	29	30	12.2	16
	50	1036	99	11250	3750	400	1165	53	66	12.9	30
	89	510	63	12960	5450	450	875	92	97	7.7	37
	44	249	869	7560	4120	800	1500	76	72	11.9	2
	62	678	41	13500	3335	500	675	67	73	9.4	11
	45	416	230	13290	5720	500	1500	90	93	11.5	26
	68	1594	32	13868	4826	450	850	89	100	13.7	37

Numeric summary (basic stats)

column	count	mean	std	min	25%	50%	75%	max
Names	0.0	nan	nan	nan	nan	nan	nan	nan
Apps	777.0	3001.638	3870.201	81.0	776.0	1558.0	3624.0	48094.0
Accept	777.0	2018.804	2451.114	72.0	604.0	1110.0	2424.0	26330.0
Enroll	777.0	779.973	929.176	35.0	242.0	434.0	902.0	6392.0
Top10perc	777.0	27.559	17.64	1.0	15.0	23.0	35.0	96.0
Top25perc	777.0	55.797	19.805	9.0	41.0	54.0	69.0	100.0
F_Undergrad	777.0	3699.907	4850.421	139.0	992.0	1707.0	4005.0	31643.0
P_Undergrad	777.0	855.299	1522.432	1.0	95.0	353.0	967.0	21836.0
Outstate	777.0	10440.669	4023.016	2340.0	7320.0	9990.0	12925.0	21700.0
Room_Board	777.0	4357.526	1096.696	1780.0	3597.0	4200.0	5050.0	8124.0
Books	777.0	549.381	165.105	96.0	470.0	500.0	600.0	2340.0
Personal	777.0	1340.642	677.071	250.0	850.0	1200.0	1700.0	6800.0
PhD	777.0	72.66	16.328	8.0	62.0	75.0	85.0	103.0
Terminal	777.0	79.703	14.722	24.0	71.0	82.0	92.0	100.0
S_F_Ratio	777.0	14.09	3.958	2.5	11.5	13.6	16.5	39.8
perc_alumni	777.0	22.744	12.392	0.0	13.0	21.0	31.0	64.0
Expend	777.0	9660.171	5221.768	3186.0	6751.0	8377.0	10830.0	56233.0
Grad_Rate	777.0	65.463	17.178	10.0	53.0	65.0	78.0	118.0

## Top categorical distributions



## Share in 'perc\_alumni'

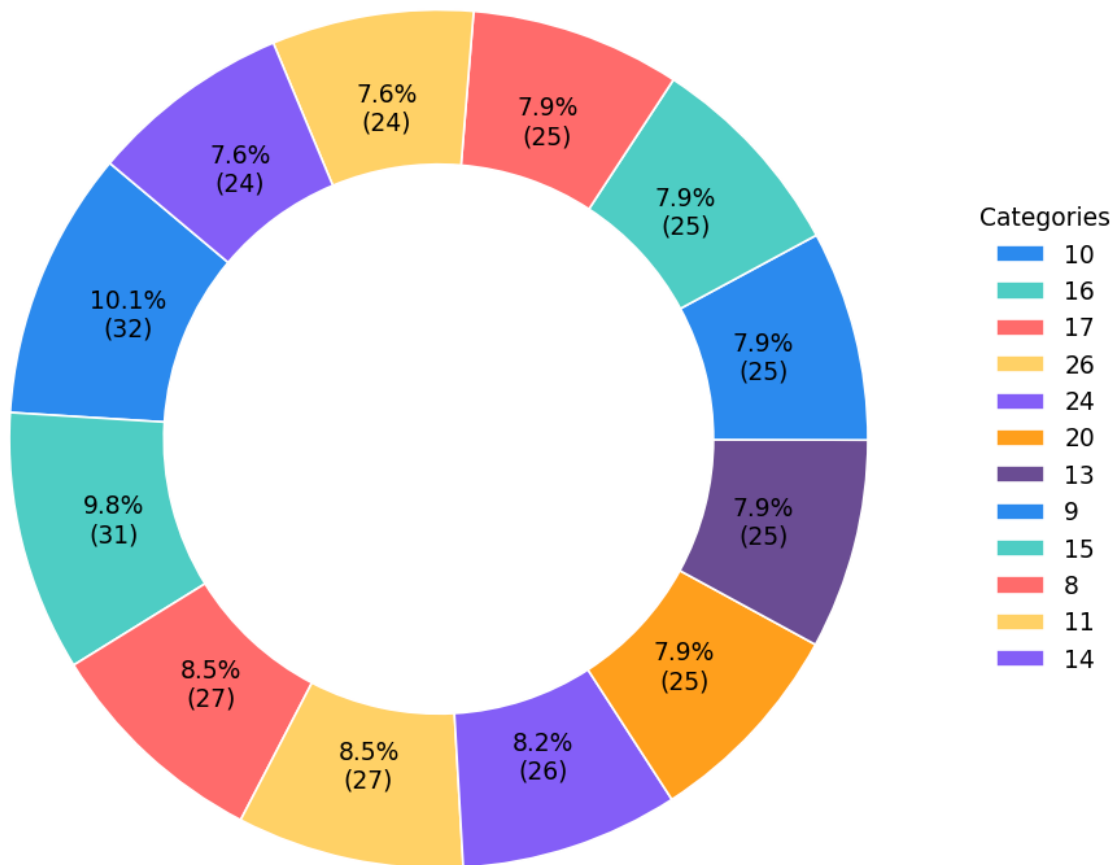


Figure: Distribution and share of top values in **perc\_alumni**.

## Time-series & trend analysis

Not enough time-series points to build a day-level trend (need  $\geq 3$  days).

## Distributions & outliers

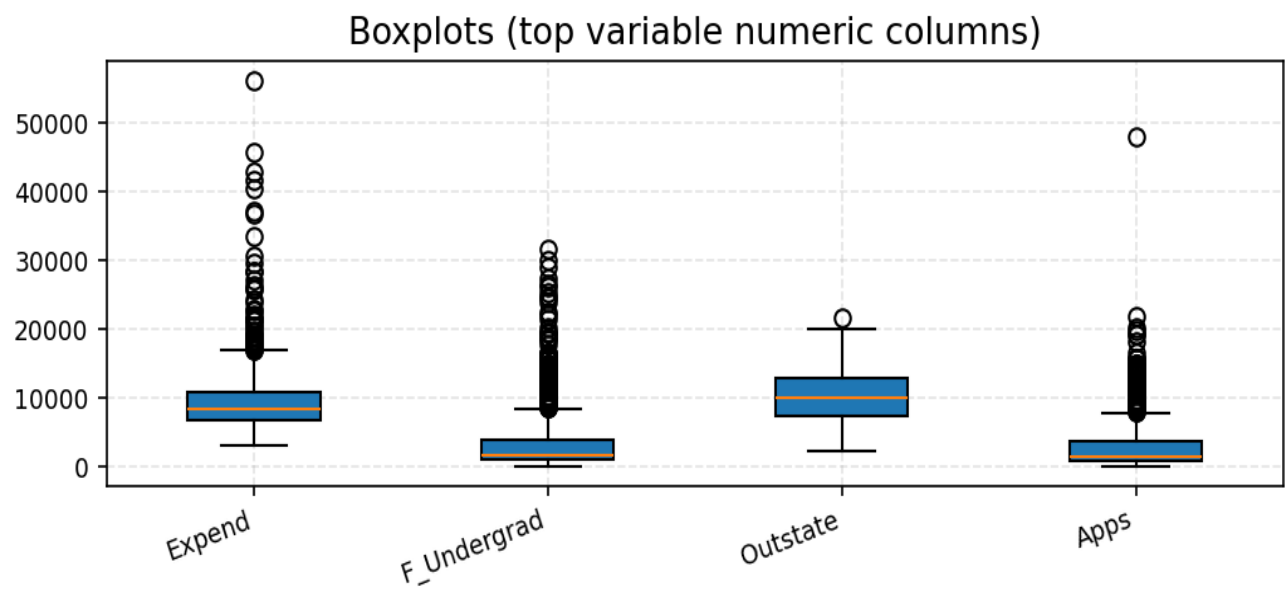
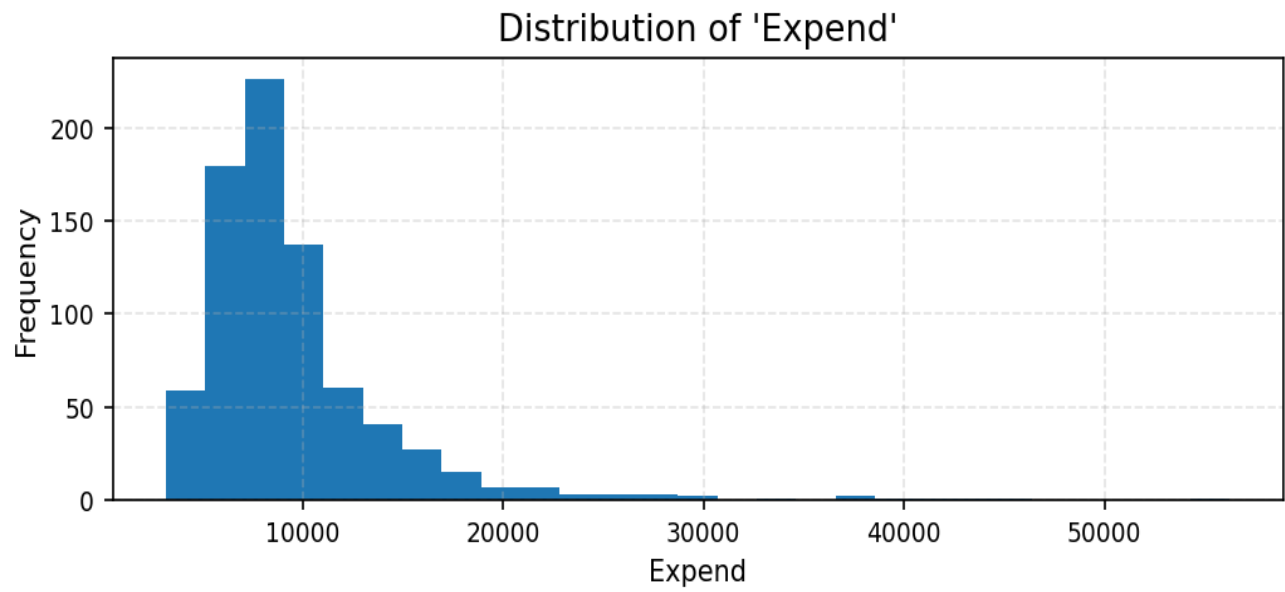
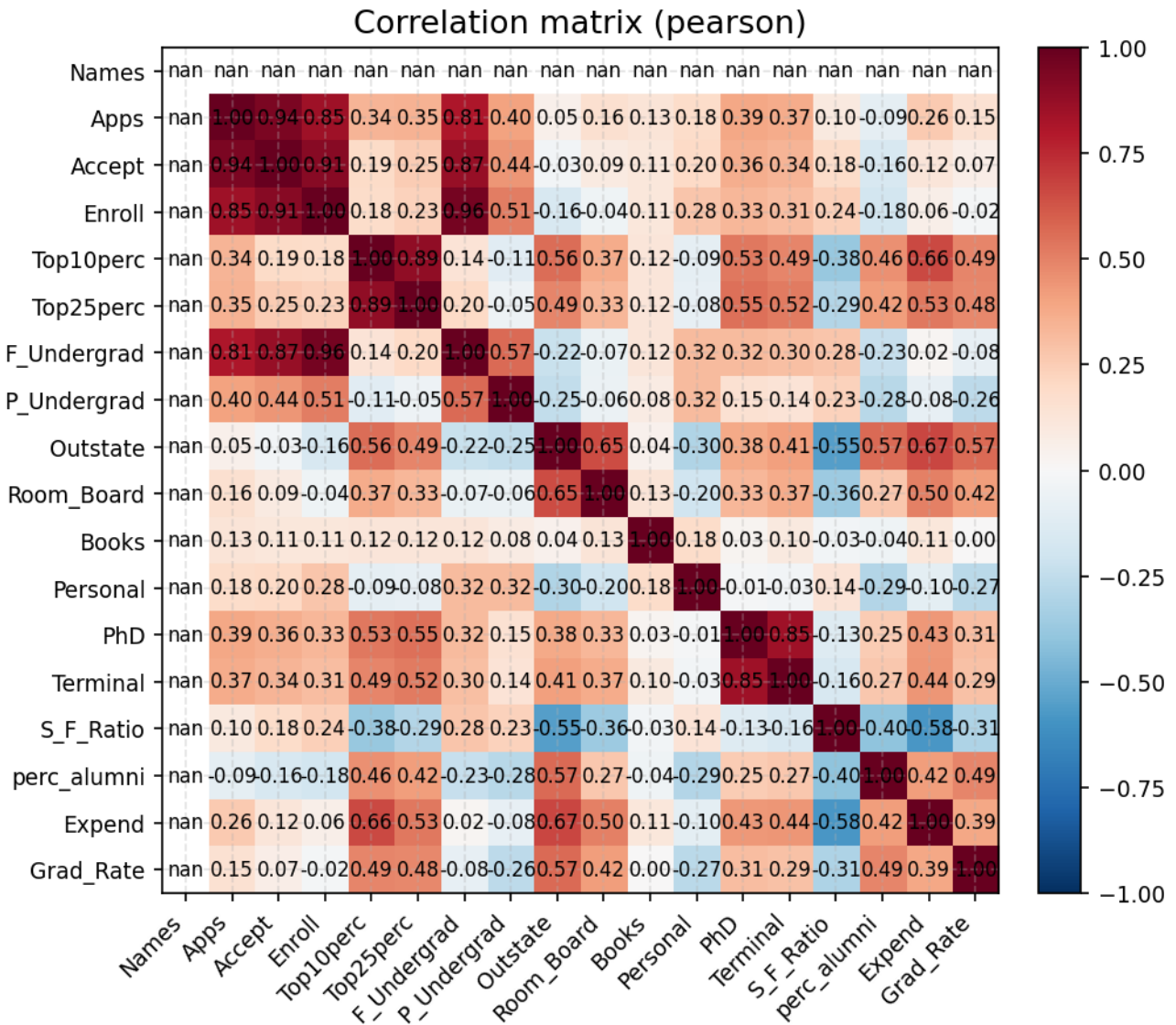


Figure: Histogram and boxplots for key numeric columns.

## Correlation & relationships



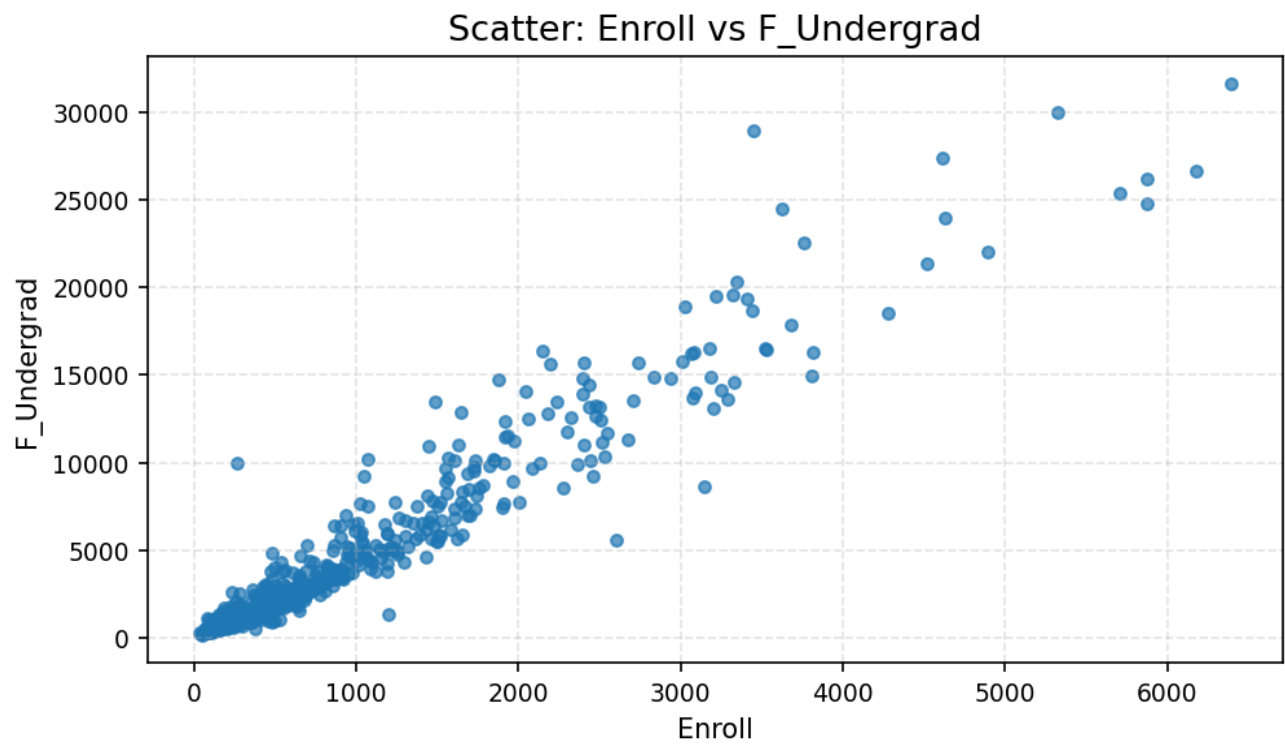


Figure: Top correlated pair by absolute Pearson correlation: **Enroll & F\_Undergrad**.

Summaries (percentiles & active time ranges)

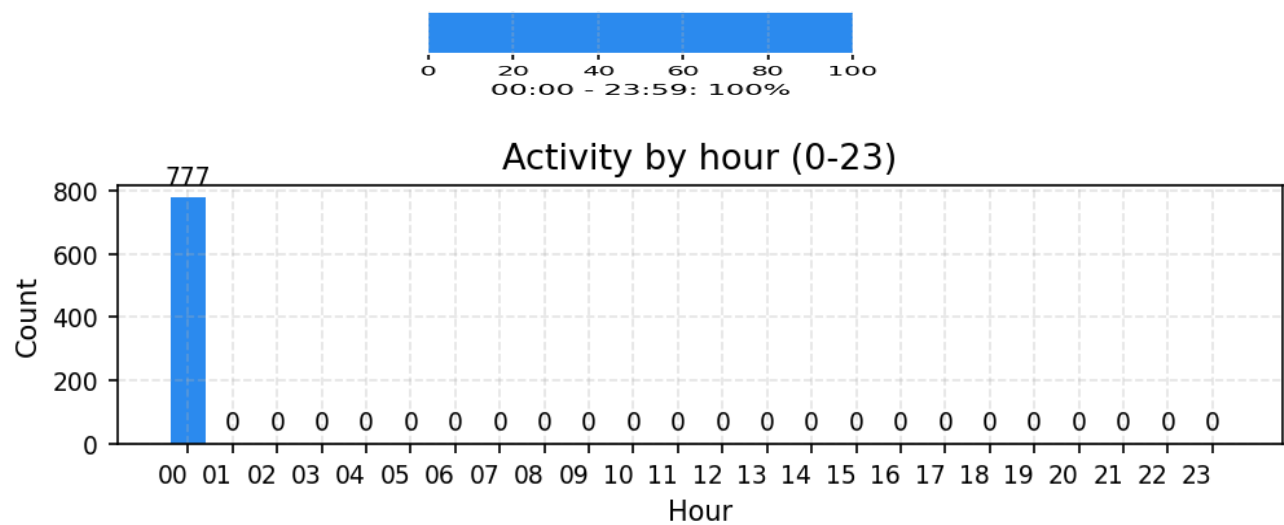


Figure: Data-driven active time ranges and hourly activity distribution.



## Automated summary & insights

- Column with largest total: **Outstate**
- Column with highest mean: **Outstate**
- Most frequent value in **perc\_alumni**: 10
- Detected date column: **Apps**