

🔥 APP STARTED SUCCESSFULLY



GPA Forecast Dashboard

GPA Forecast Dashboard – ARIMA / SARIMA / Holt-Win

Upload CSV



Use simulated sample dataset (instead of uploa



Drag and drop file here

Limit 200MB per file • CSV

Browse files



student_gpa.csv 204.1KB



	studentID	Year	Semester	GPA	month	date
0	1,001	2,020	spring	3.001	3	2020-03-01 00:00:00
1	1,001	2,020	summer	3.177	7	2020-07-01 00:00:00
2	1,001	2,020	fall	3.188	11	2020-11-01 00:00:00
3	1,001	2,021	spring	3.332	3	2021-03-01 00:00:00
4	1,001	2,021	summer	3.025	7	2021-07-01 00:00:00

STEP CHECK Preprocessed: (9000, 6)

Average GPA

3.01

Highest GPA

4.00

Lowest GPA

1.59

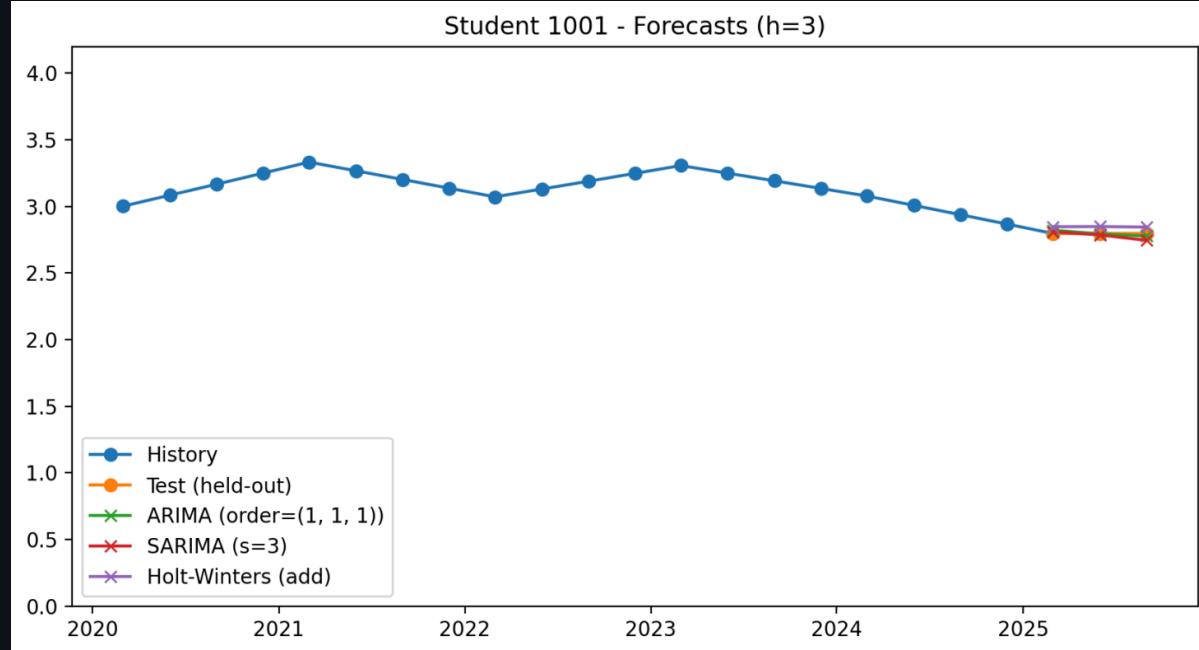
Forecast horizon (semesters)



Observations for student 1001: 23 semesters (from 2020-03-01 to 2025-09-01)

	Year	Semester	GPA
0	2,020	spring	3.001
1	2,020	summer	3.177
2	2,020	fall	3.188
3	2,021	spring	3.332
4	2,021	summer	3.025
5	2,021	fall	3.051
6	2,022	spring	3.071
7	2,022	summer	2.962
8	2,022	fall	2.709
9	2,023	spring	3.306

Model fitting complete.



Model me

ARIMA
SARIMA
Holt-Winters (ad)

Best model by

Forecast Student Trend Dataset

Dataset Preview

	studentID	Year	Semester	GPA	month	date
0	1,001	2,020	spring	3.001	3	2020-03-01 00:00:00
1	1,001	2,020	summer	3.177	7	2020-07-01 00:00:00
2	1,001	2,020	fall	3.188	11	2020-11-01 00:00:00
3	1,001	2,021	spring	3.332	3	2021-03-01 00:00:00
4	1,001	2,021	summer	3.025	7	2021-07-01 00:00:00
5	1,001	2,021	fall	3.051	11	2021-11-01 00:00:00
6	1,001	2,022	spring	3.071	3	2022-03-01 00:00:00
7	1,001	2,022	summer	2.962	7	2022-07-01 00:00:00
8	1,001	2,022	fall	2.709	11	2022-11-01 00:00:00
9	1,001	2,023	spring	3.306	3	2023-03-01 00:00:00

Forecast table (all models)

	date	ARIMA (order=(1, 1, 1))	Holt-Winters (add)	SARIMA (s=3)
0	2025-03-01 00:00:00	2.8201	2.8469	2.8086
1	2025-06-01 00:00:00	2.793	2.848	2.7852
2	2025-09-01 00:00:00	2.777	2.8442	2.7447

[Download forecasts CSV](#)

Note: With short series (few semesters) model results may be unstable. ARIMA/SARIMA perform better with more observations.