ASA DATAFEST'24

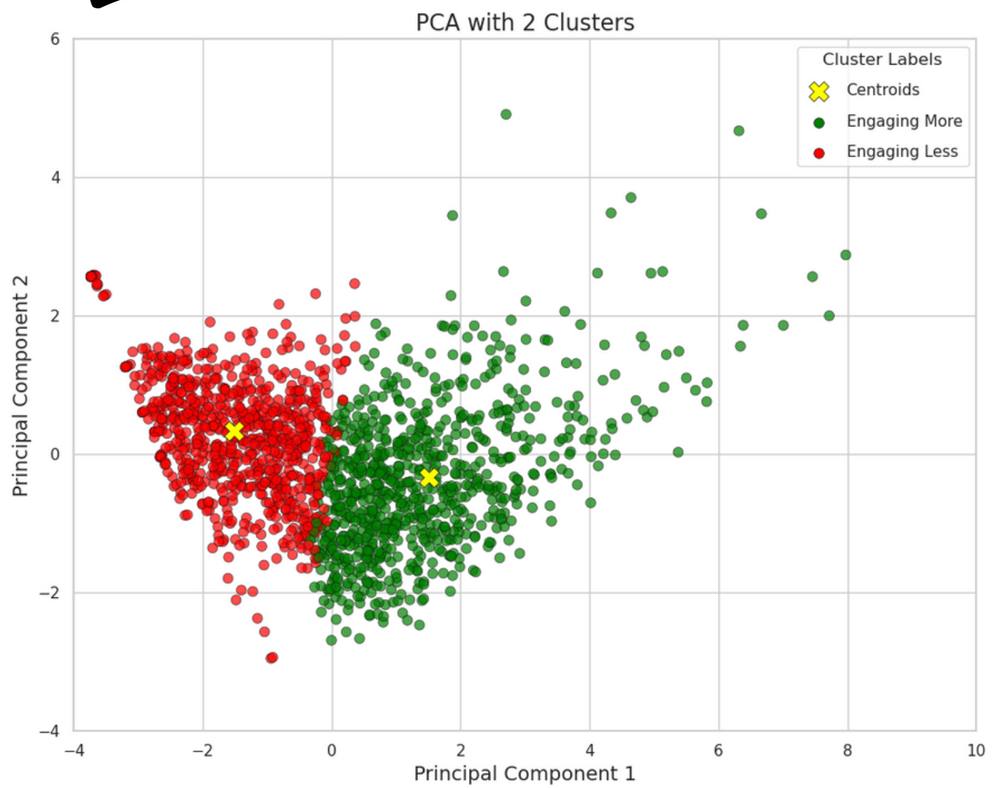
DATAMIDS TEAM

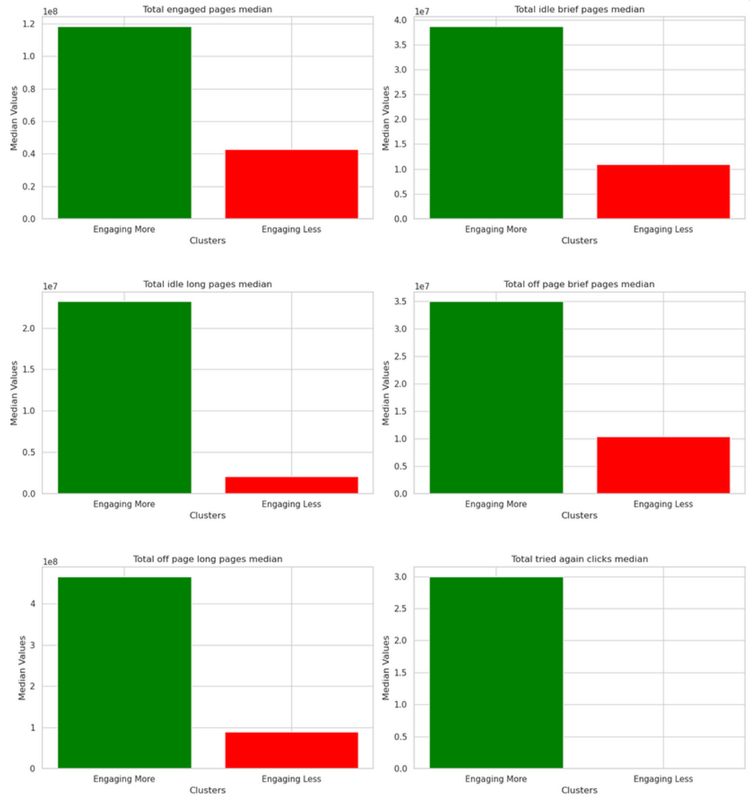
Gunel Aghakishiyeva, Daniela Jimenez, Shaila Guereca

MODELING

Data Manipulation -> Data Preprocessing -> Modeling -> Analyzing Results

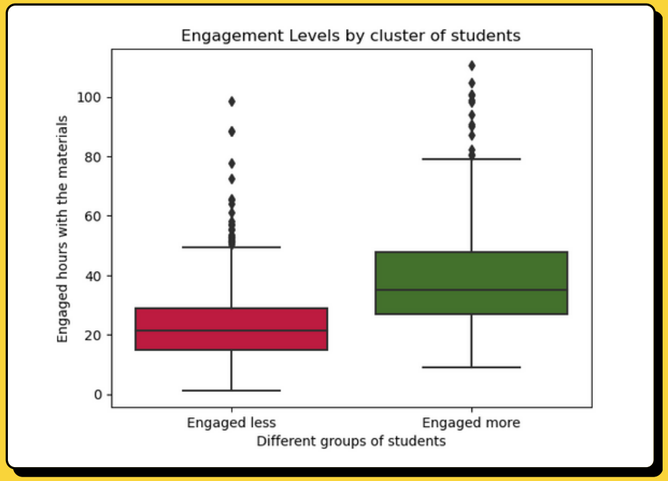
Clear visual seperation & Metric differences observed between clusters.



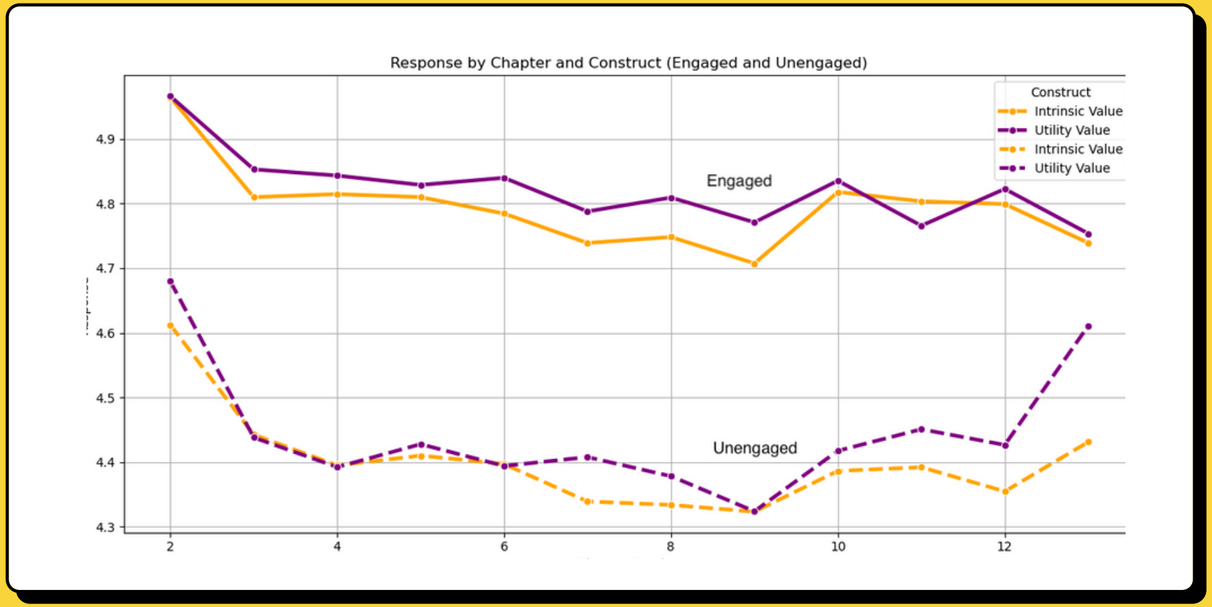


INSIGHTS

Students in the **more engaged cluster have higher scores** (EOC and Earned Points).

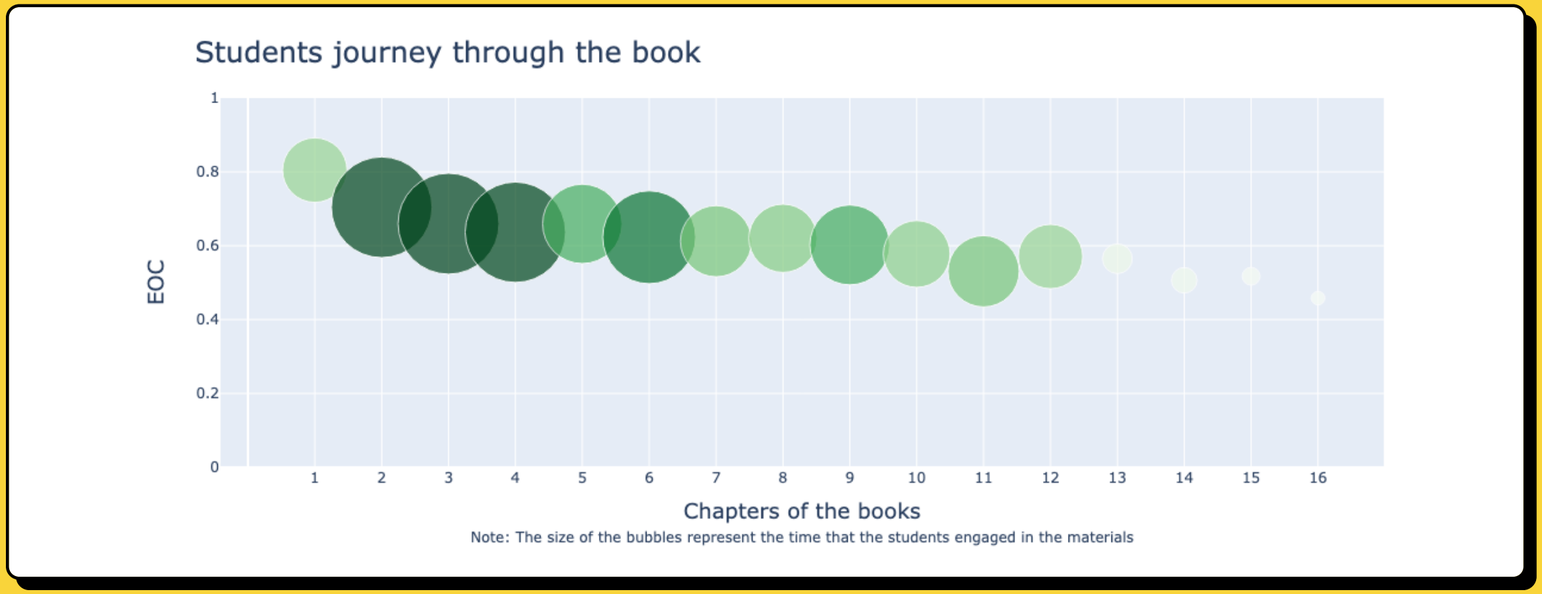


	Engaged More (0)	Engaged Less (1)
Mean Earned Points	70%	50%
Mean EOC Scores	65%	30%



And sentiments of finding the material useful or interesting **are also associated with the EOC.**

RECOMMENDATIONS



We have observed that over time, students spend less time studying the materials, and this also influences their performance. Upon identifying the two groups of students (more and less engaged), we recommend:

1. For students that do not find the material useful or interesting to include **examples of practical applications**.
2. Provide **reminders of concepts** that were not fully understood in the middle of the chapter as the student moves through the chapter
3. **Provide nudges** as students move from chapter to chapter to boost their engagement with the material
4. Provide material beyond repeating the end of chapter quiz so that student can review their performance, such as **executive summaries of concept**s that were not understood.

THANKS!

Gunel Aghakishiyeva, Daniela Jimenez, Shaila Guereca