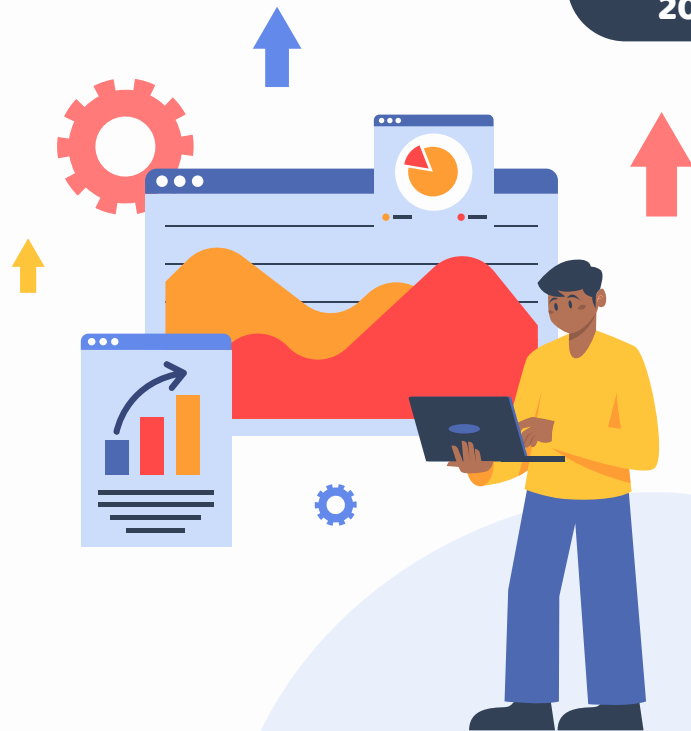


**DATA FEST  
2024**

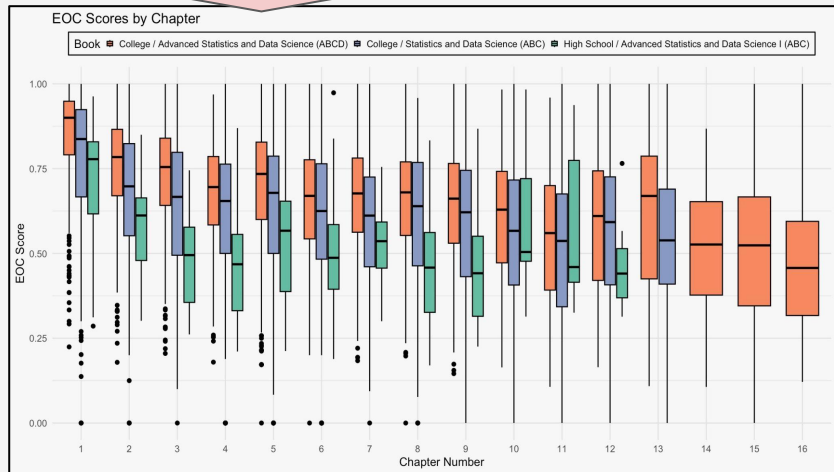
# Team DW Presentation

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Images from: [freepik.com](https://www.freepik.com)

## Problem: The big gap between high/low performing student



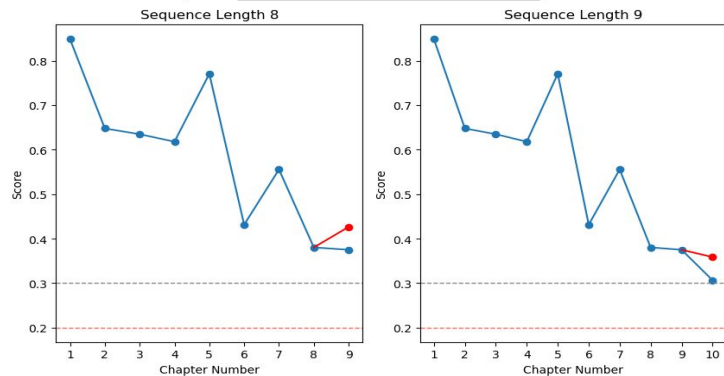
## 1) Alert system (score prediction model)

Alert students to the instructors who could go under the cutoff score

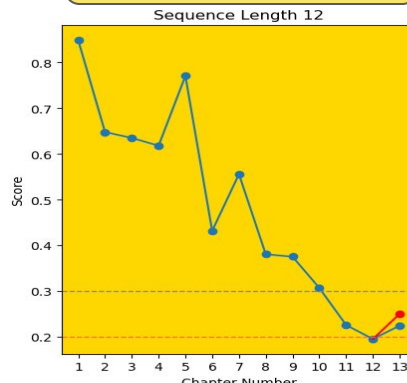
- Data: checkpoints\_eoc.csv
- X: chapter\_number
- Y: EOC (score)
- Input: sequence of scores
- Output: next chapter's score
- Accuracy: approximately 0.922

Example case)

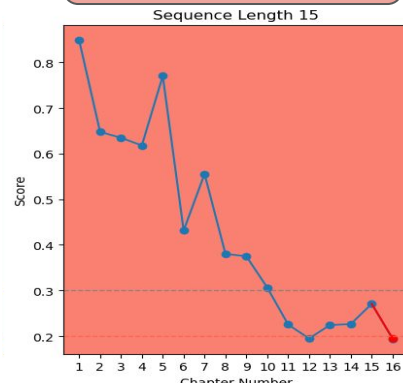
No alarm



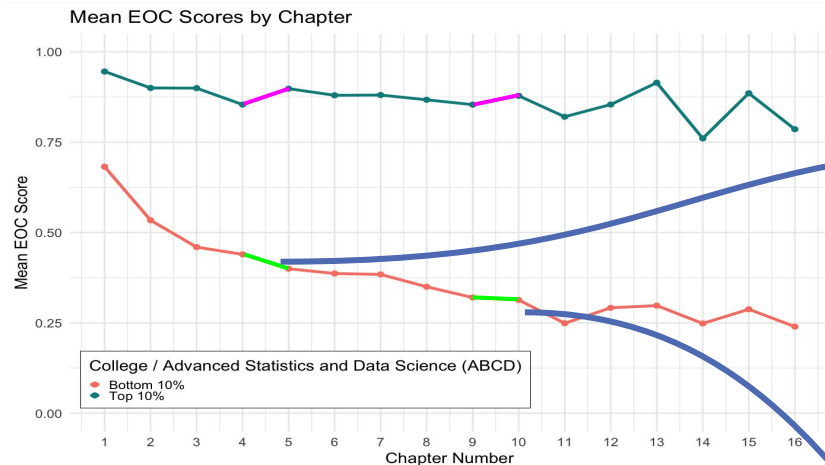
Tier 2 Support



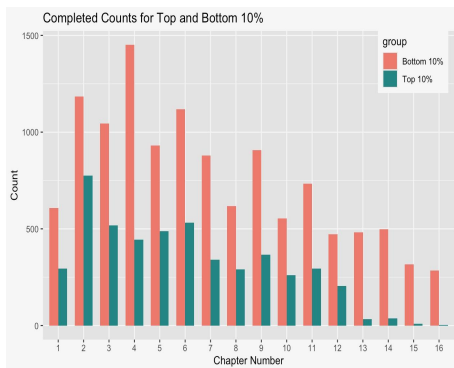
Tier 1 Support



## 2) Findings Compared to high performing students, low performing students ...



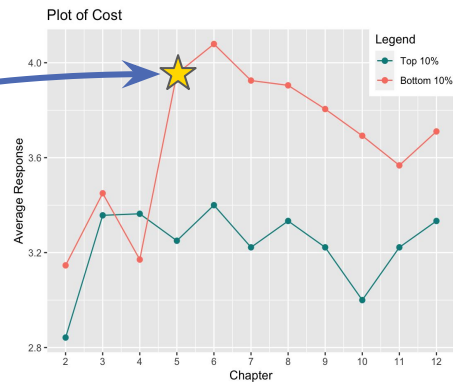
### < Lack of Understanding >



**Reviewed** the  
textbook **after**  
completing the  
questions

Offer additional review  
resources for difficult  
chapters

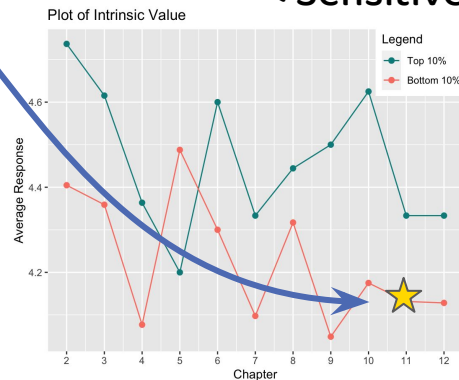
### < Having Time Constraints >



Didn't put much effort  
when they meet the  
**difficult content**

Provide additional  
academic support

### < Sensitive to Interest >



Scored **lower** when there  
**interest rate is low**,  
while high performing  
students relatively did  
well

Create more materials  
that draw interest