

# Enhancing Multi-Class Classification and Attention Visualization

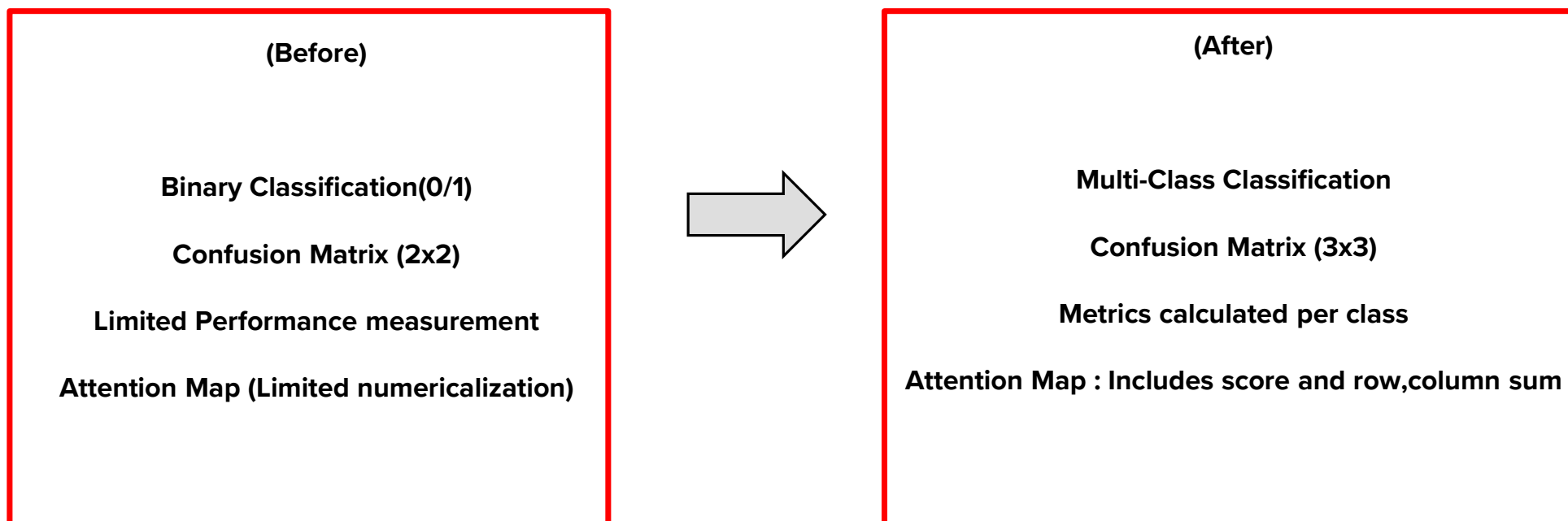
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2025/02/07 CILAB-Seminar

## Enhancing Multi-Class Classification and Attention Visualization

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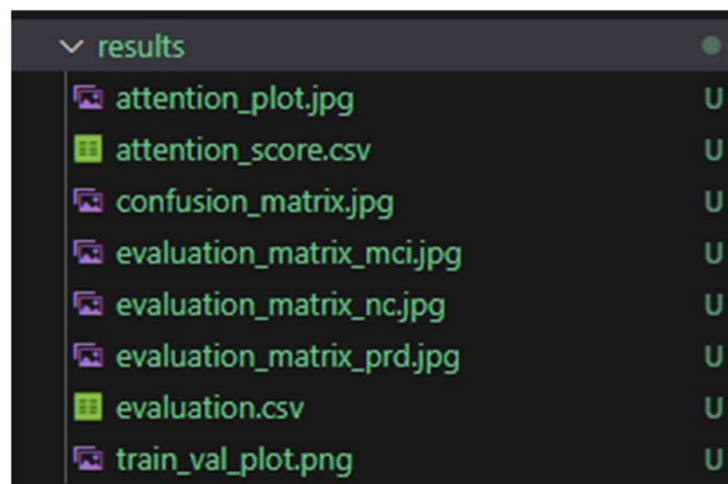
### Overall Structural Changes




## Enhancing Multi-Class Classification and Attention Visualization

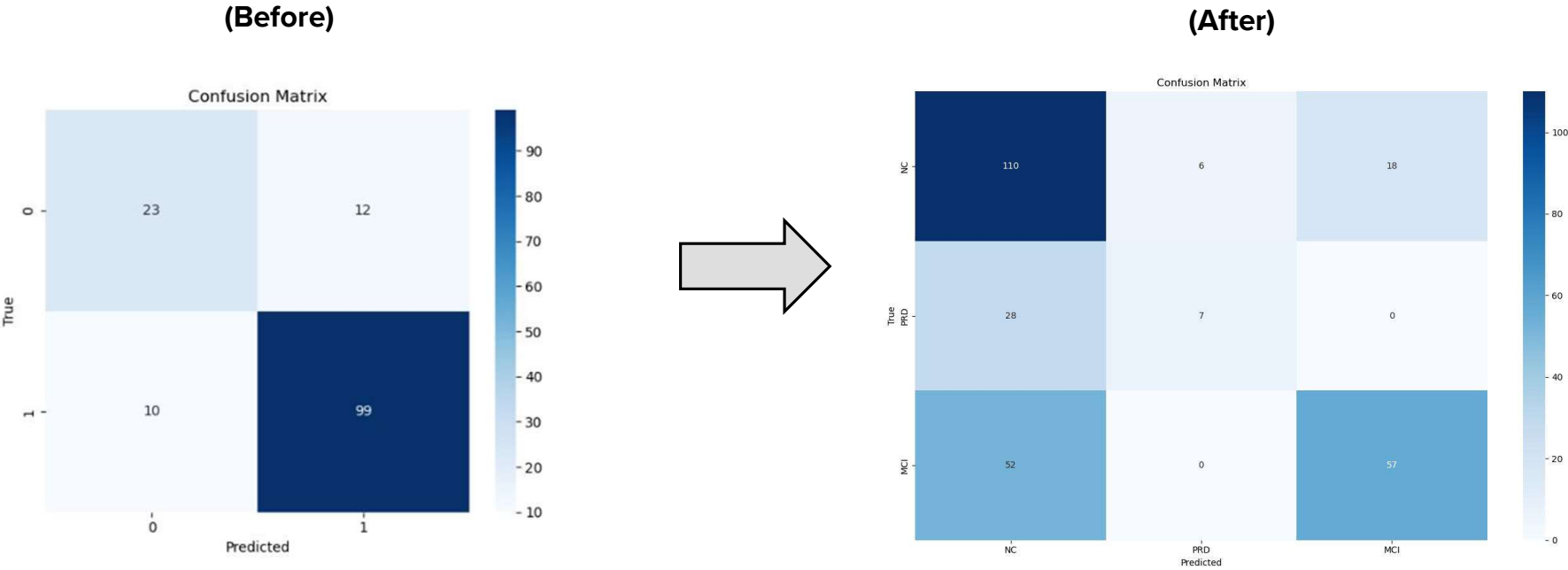
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 Overall Structural Changes



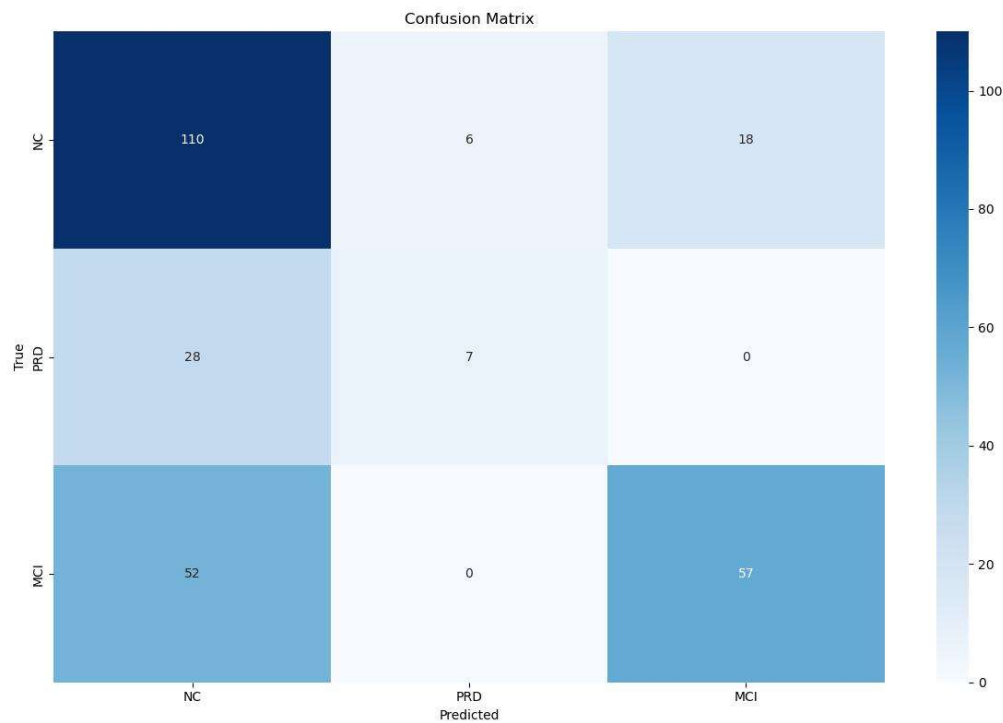
# Enhancing Multi-Class Classification and Attention Visualization

 Binary class to Multi class : Confusion Matrix



# Enhancing Multi-Class Classification and Attention Visualization

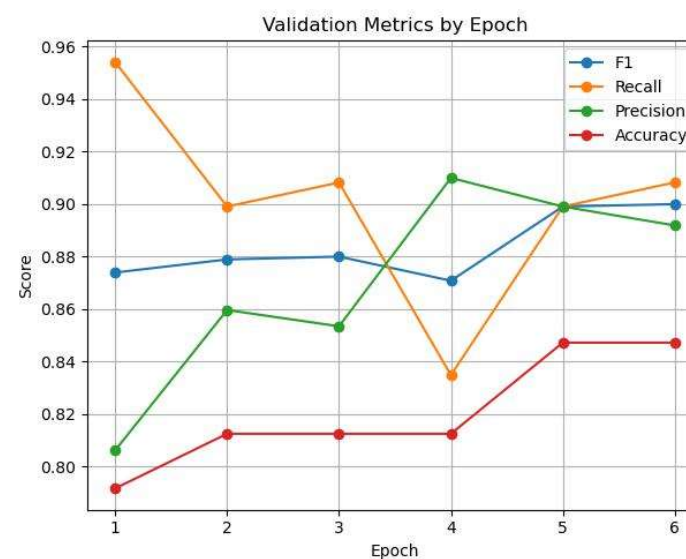
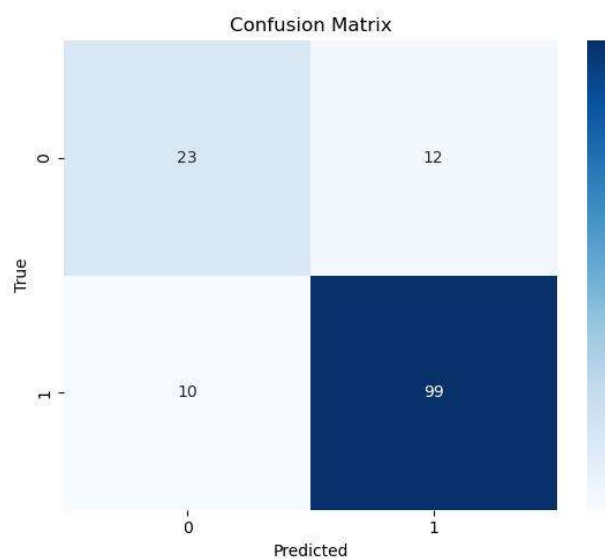
Binary class to Multi class : Confusion Matrix



## Enhancing Multi-Class Classification and Attention Visualization

Binary class to Multi class : Evaluation matrix

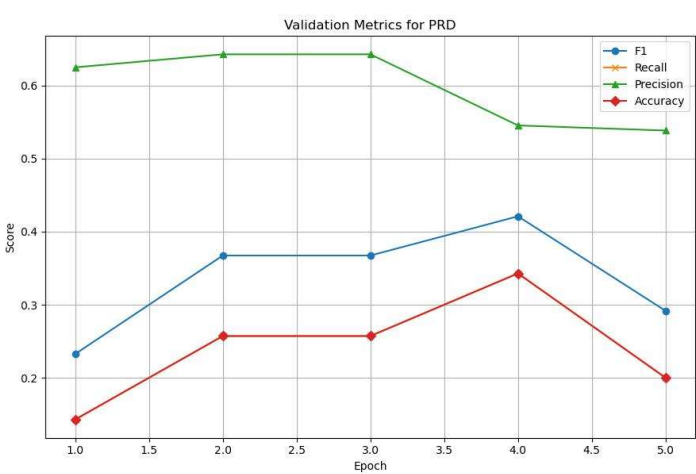
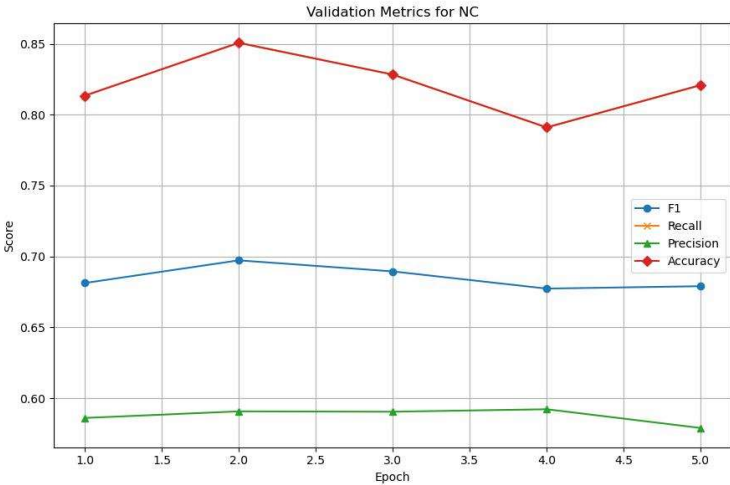
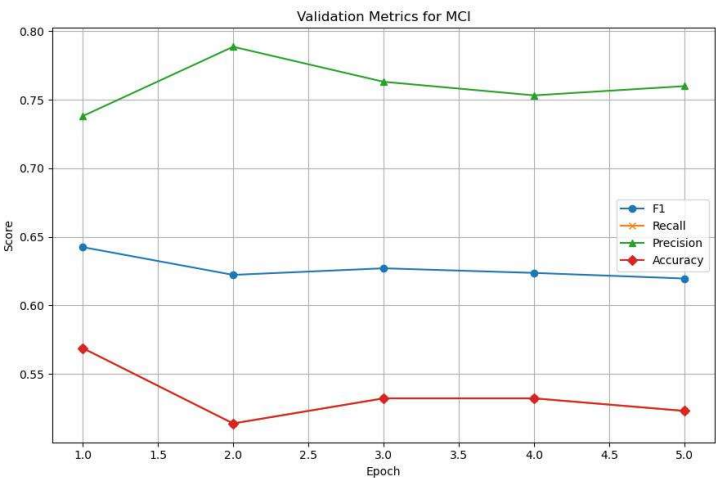
(Before)



# Enhancing Multi-Class Classification and Attention Visualization

Binary class to Multi class : Evaluation matrix

(After)



## Enhancing Multi-Class Classification and Attention Visualization

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 Binary class to Multi class : Evaluation matrix

(After)

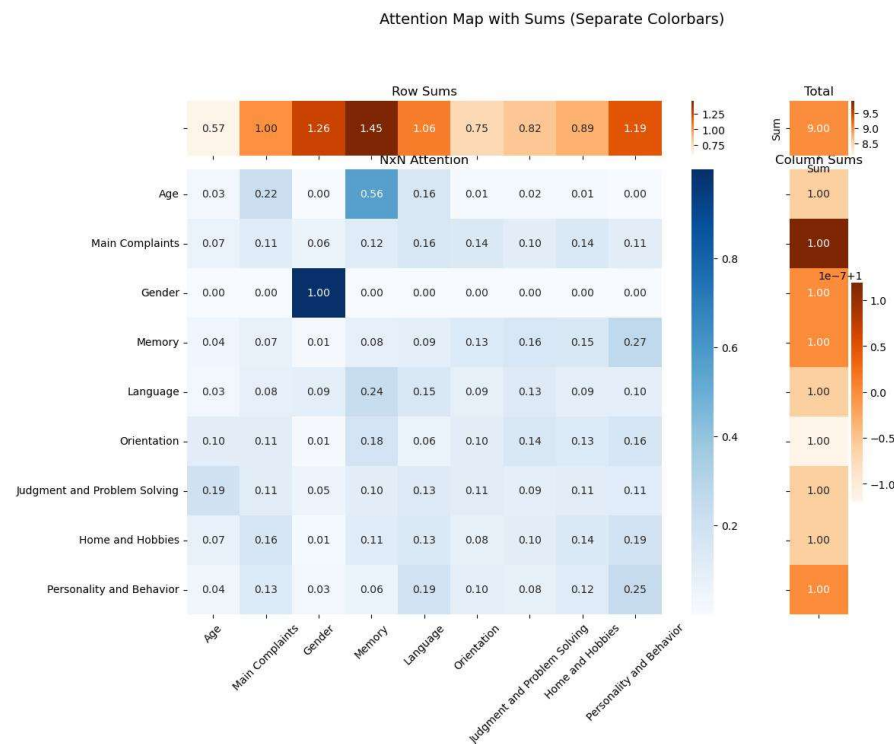
```
class,f1,recall,precision,accuracy
NC,0.6790,0.8209,0.5789,0.8209
PRD,0.2917,0.2000,0.5385,0.2000
MCI,0.6196,0.5229,0.7600,0.5229
Overall,0.5301,0.5146,0.6258,0.5146
```





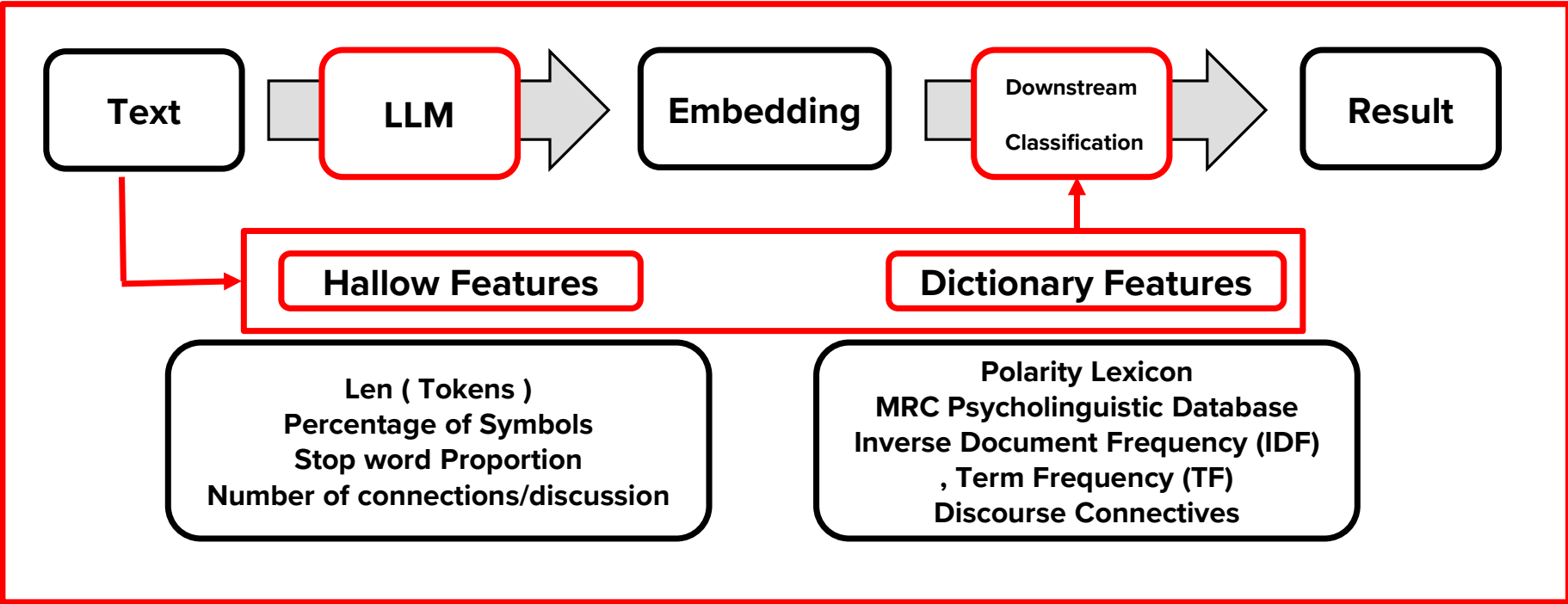
# Enhancing Multi-Class Classification and Attention Visualization

## Binary class to Multi class : Attention Heat Map



# Fast and Accurate Prediction of Sentence Specificity

Project



# Thank you

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