

Display Best Models

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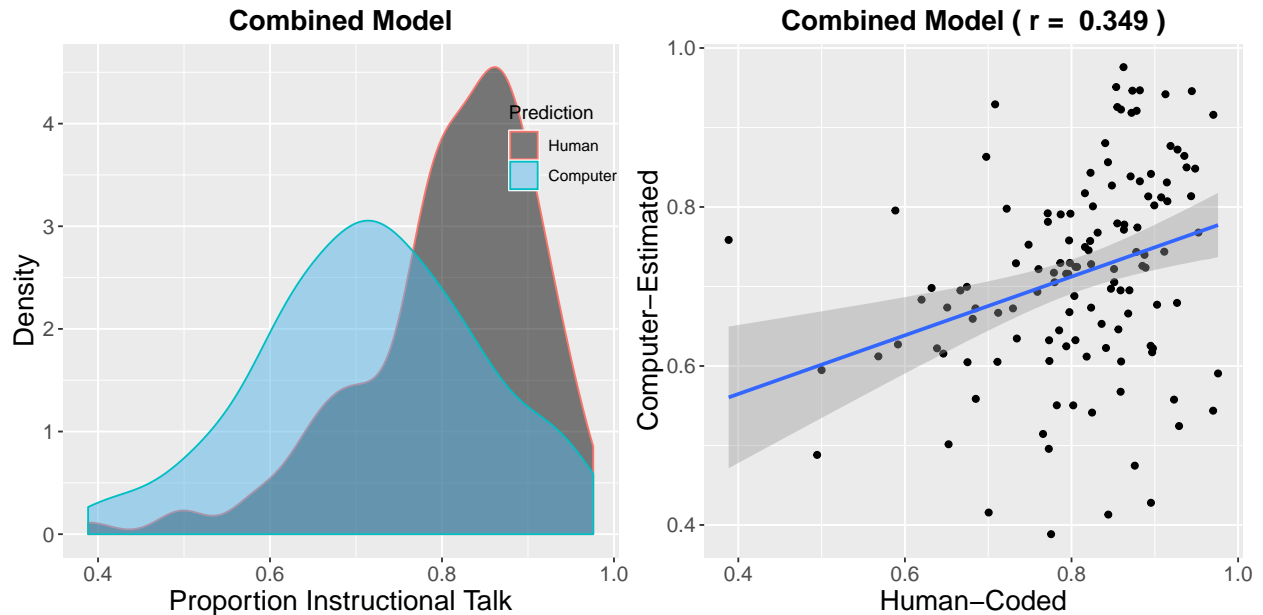
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Model Results

This documents displays the human/predicted distributions and model performance for each of the talk features described in the paper. The best performing model for each feature is reported here.

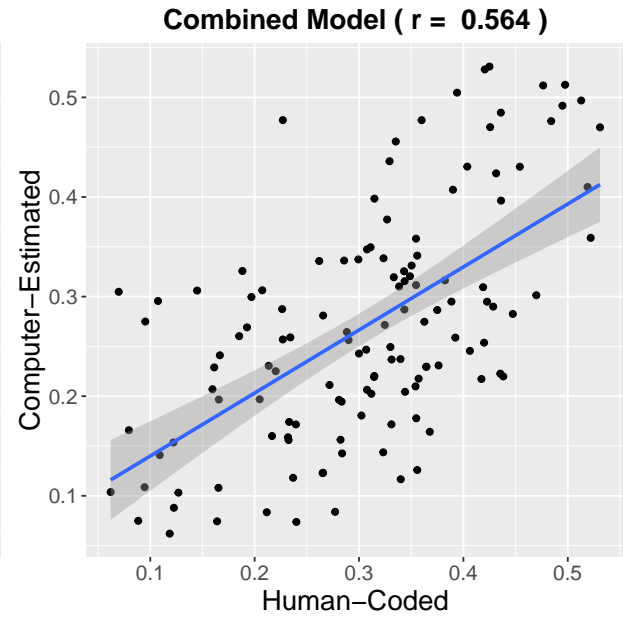
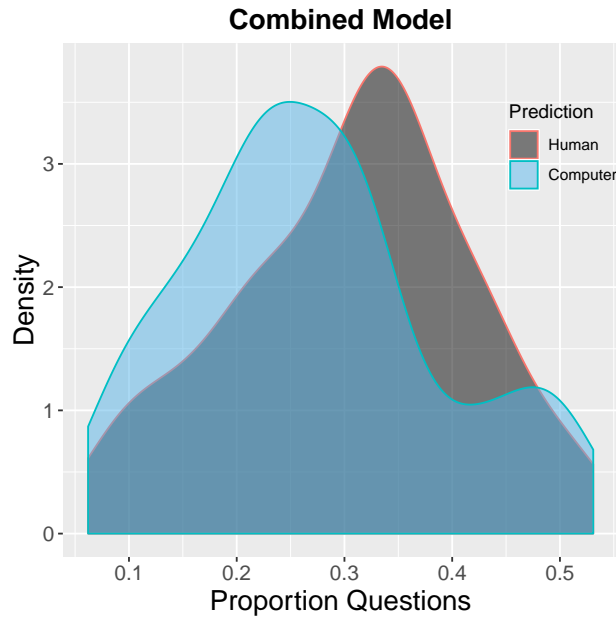
Instructional Talk

```
## [1] "IsInstructionalUtterance"  
## [1] "Model: Combined Model"  
## [1] "Human mean: 0.809"  
## [1] "Computer mean: 0.716"
```



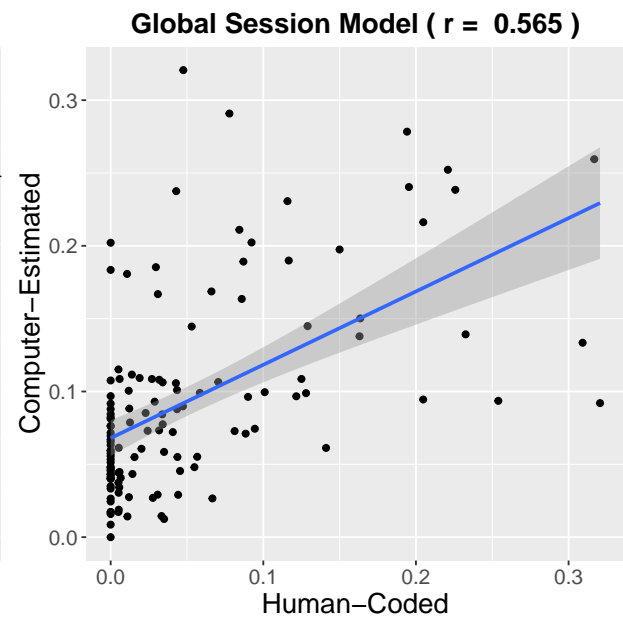
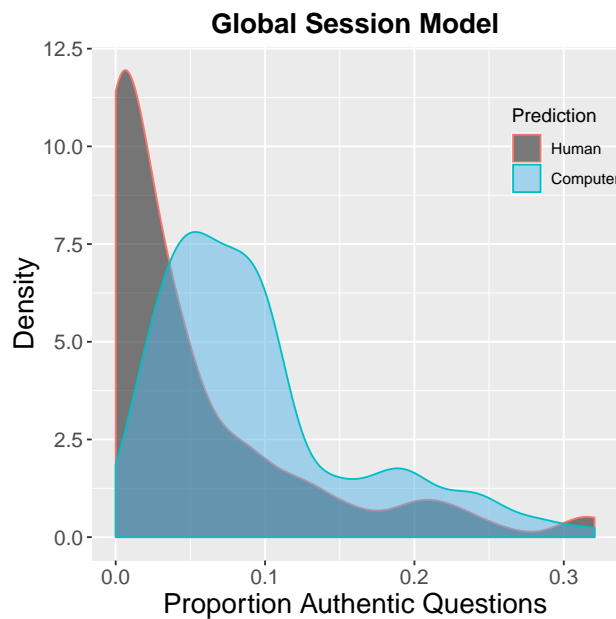
Questions

```
## [1] "IsQuestion"  
## [1] "Model: Combined Model"  
## [1] "Human mean: 0.306"  
## [1] "Computer mean: 0.27"
```



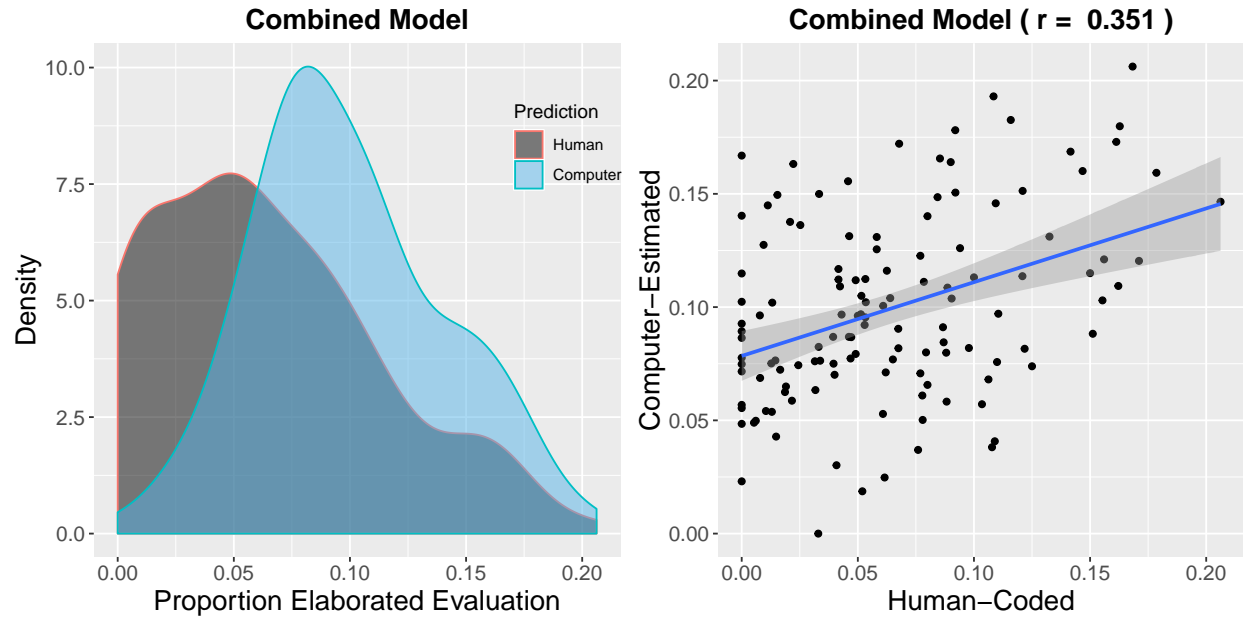
Open-Ended Questions

```
## [1] "Authenticity"  
## [1] "Model: Global Session Model"  
## [1] "Human mean: 0.0511"  
## [1] "Computer mean: 0.0937"
```



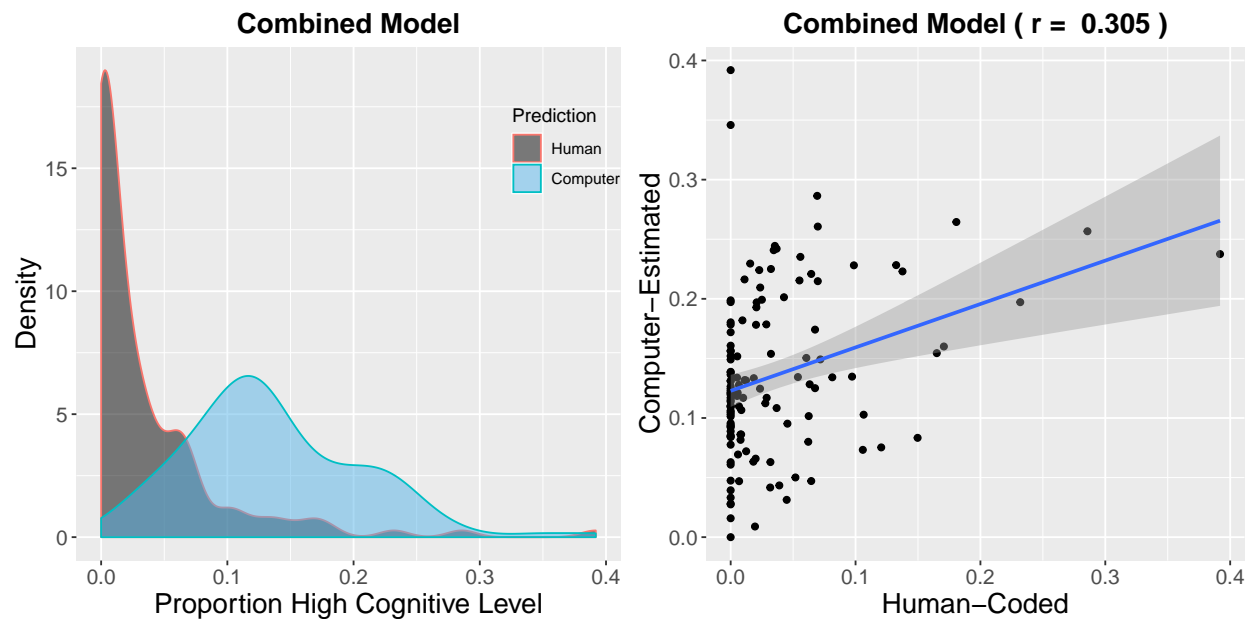
Elaborated Evaluation

```
## [1] "IsEvaluationElaborated"  
## [1] "Model: Combined Model"  
## [1] "Human mean: 0.0636"  
## [1] "Computer mean: 0.0991"
```



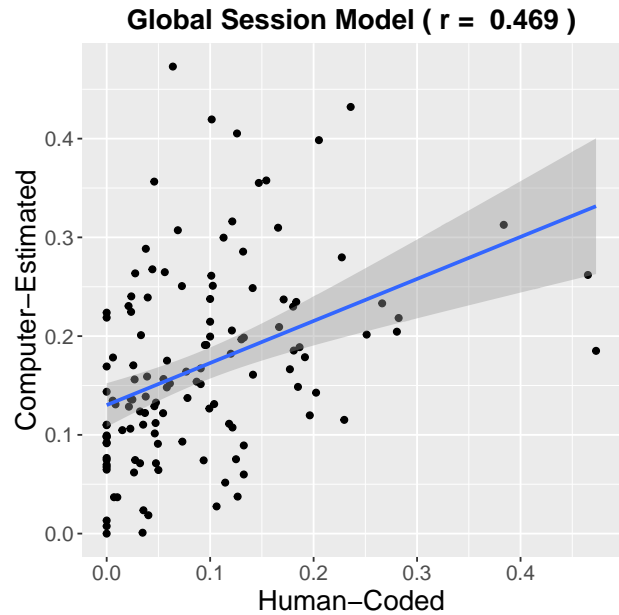
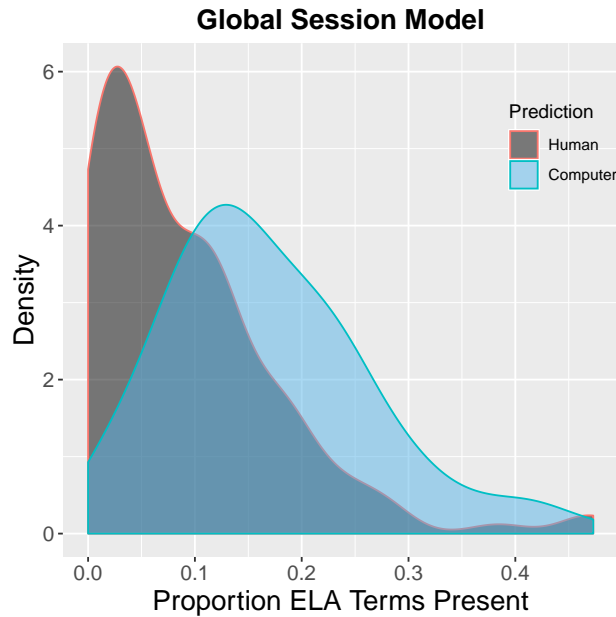
High Cognitive Level

```
## [1] "CogLevel"  
## [1] "Model: Combined Model"  
## [1] "Human mean: 0.0346"  
## [1] "Computer mean: 0.135"
```



ELA Terms Present

```
## [1] "IsDisciplinaryTermsPresent"  
## [1] "Model: Global Session Model"  
## [1] "Human mean: 0.0897"  
## [1] "Computer mean: 0.168"
```



Goal Specified

```
## [1] "IsGoalSpecified"  
## [1] "Model: Global Session Model"  
## [1] "Human mean: 0.0869"  
## [1] "Computer mean: 0.119"
```

