Crowdsourcing annotations to study instructor intervention in MOOC discussion forums

Update - 19 Jan 2018
Goals

Inter-Annotator-Agreement

Simplify tasks - make sure turkers assign correct categories to correct posts

- Marking
- Categorization

Fleiss’ Kappa scores

<table>
<thead>
<tr>
<th>$\kappa$</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>$&lt; 0$</td>
<td>Poor agreement</td>
</tr>
<tr>
<td>$0.01 – 0.20$</td>
<td>Slight agreement</td>
</tr>
<tr>
<td>$0.21 – 0.40$</td>
<td>Fair agreement</td>
</tr>
<tr>
<td>$0.41 – 0.60$</td>
<td>Moderate agreement</td>
</tr>
<tr>
<td>$0.61 – 0.80$</td>
<td>Substantial agreement</td>
</tr>
<tr>
<td>$0.81 – 1.00$</td>
<td>Almost perfect agreement</td>
</tr>
</tbody>
</table>
Till now-

Updates on the marking task -

1) Baseline
2) Adding a decision tree
3) Adding it on the same page

Fleiss' Kappa: 0.217230067038
Std Dev: 0.030063724204320623
Revised Marking Task

Decisions for each Student Post

Task 1.1
Is the instr. post directly referring to this post?
Yes
Mark Post
No
Mark Post

Task 1.2
Is this post merely agreeing/thanking or paraphrasing any of the earlier posts?
Yes
Mark Post
No
Mark Post

An instructor's post may have one or more posts with each part addressing a different student post. In that case the following decision process is to be repeated for each instructor answer post.

Mark the Specific pieces

Mark the post by repeating following steps for each student post:

In the post, is there any mention of a specific piece?
Yes
Mark the specific piece

In the post, is there any explanation of an existing post?
Yes
Mark the post

Is the post directly agreeing with an earlier post?
Yes
Mark the post

In the post, is there only paraphrasing an earlier post?
Yes
Skip. Don't mark the post

In the post, is there any other post?
Yes
Mark the post

Mark the post
Task 1.1

Fleiss' Kappa: 0.468177948063

Std Dev: 0.05104989890374417

Task 1.2

% agreement = 78.192726
Categorization Task

1) Social/Errata?
2) If neither,
   1. Appreciation
   2. Agreement
   3. Disagreement
   4. Justification
   5. Reasoning Critique
   6. Paraphrase
   7. Refinement
   8. Extension
   9. Juxtaposition
  10. Completion
3) If None of The Above
   1. Clarification
   2. Generic Answer
   3. Other/ No Relation with Instr. Post

POST #5 by User #5

Javier, this bit of evidence, taken alone, is pretty thin gruel, I think. But, I don't want to dismiss it out of hand. Can you expand on your reasoning as to how the passage 'sounds extremely gay'? I'm not getting it.

Upvotes: 1

Go to Instructor's post

2.1) Social or Errata?  -- select an option --

2.2) If neither, classify the reply type among  -- select an option --

2.2) If 'None of the above' selected above  -- select an option --