

# 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

$\kappa$	<b>Interpretation</b>
< 0	Poor agreement
0.01 – 0.20	Slight agreement
0.21 – 0.40	Fair agreement
0.41 – 0.60	Moderate agreement
0.61 – 0.80	Substantial agreement
0.81 – 1.00	Almost perfect agreement

# 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

- The instructor post appears at the bottom of the page with a red bounding box with the header 'Instructor'. Student posts have headers marked with the tag 'User # [an id]'. This tag is consistent with all the subsequent posts by the same user.
- The last post, that is, the instructor's (teacher / lecturer / professor / teaching assistant) post is in reply to one or more of the posts from student instructor part
- **Your Task:** Choose all the post(s) that the instructor's reply addresses (tick the checkbox below the post).
- Use the decision tree on the RIGHT PANEL to make your decision for each post. **'Posts' by default refer to student posts, unless specifically mentioned to be 'Instructor posts'.**
- Here is an example thread that we have annotated for your reference: [example](#)

\*Personal identifiers including names, user\_names and the like of all the participants have been hidden to protect their privacy.

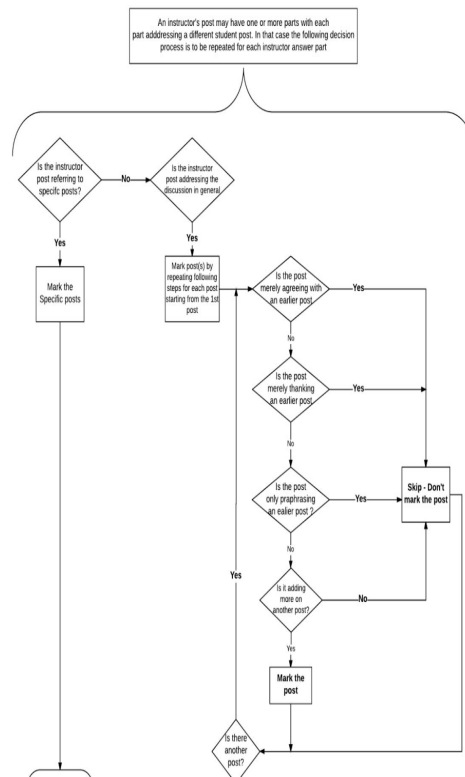
Thread type: Lecture

Thread Title: Socrates' Reincarnation Theory

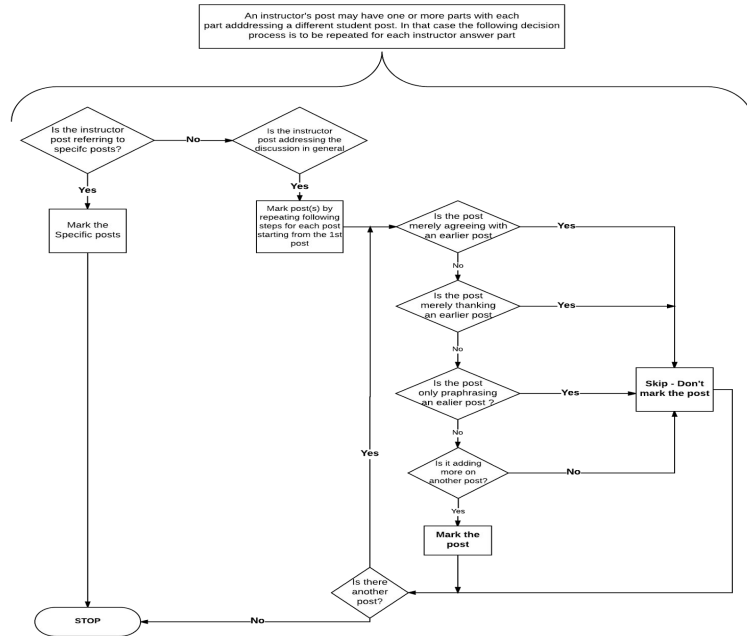
POST #1 by User #1

Professor, In one of the Meno, lectures, you posed the question of whether Socrates was 'messing with Meno' in terms of Socrates' belief in the reincarnation of the soul. You seemed to imply that at one point you thought Socrates/Plato was being sincere with this belief (in your book), but you may have changed your mind now. Why? From reading several other dialogues, it seems to me that Socrates/Plato's belief in reincarnation (metempsychosis) was sincere. Apart from several mentions of it in Phaedrus, Republic Book 10, and Meno, which uses the transmigration of the soul as a metaphorical point to underscore his ideas, but they also seem to support a sincere belief in transmigration. Additionally, Socrates/Plato's recollection theory of knowledge seems to hinge on metempsychosis, rather than intuitionism. Finally, in Phaedo Socrates discusses the transmigration of the soul in terms of the recollection theory of knowledge, as

Open Larger Image

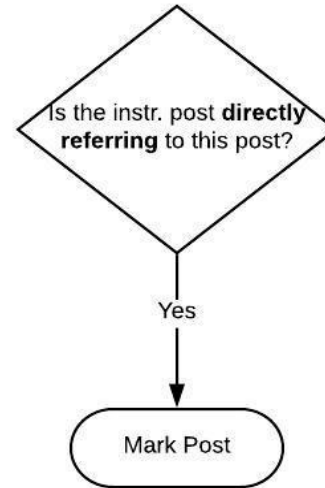


# Revised Marking Task

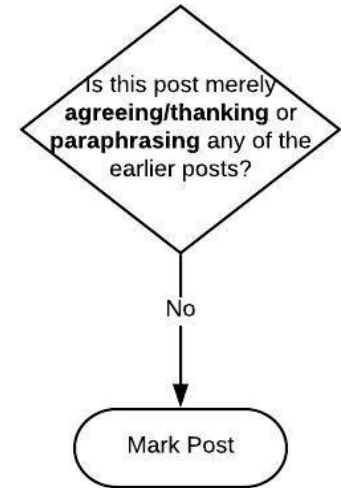


## Decisions for each Student Post

Task 1.1



Task 1.2



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?

2.2) If neither, classify the reply type among

2.2) If 'None of the above' selected above