(a) Coder Simulation



Agent

[Persona]

A brief description of the character's name, age, gender, race, education, occupation, experience. values, beliefs, interests, personality, etc.

[Codebook]



Codebook

Codebook

Update

Descriptions of the content analysis task followed by predefined rules:

- 1. Rule 1:
- 2 Rule 2:
- 3. Rule 3.

[Content]



Content

Text 1: content: Text 2: content



Independent Coding

Task Loop

[Codina]

Agent #1: Analysis of text 1;

(b) Bot Annotation

Reasons and explanations for applying rules; Coding results.

Analysis of text 2:

(d) Codebook Evolution

[Codebook Evolution]

Agent #1: Analysis of original codebook rules;

Analysis of coding results:

Analysis of discussion;

Updated rules & codebook.

Agent #2: Comment for Agent #1;

Updated rules & codebook.

Agent #3: Comment for Agent #1 and Agent #2; Updated rules & codebook.

Agent #1: ...

ggg

Inter-agent Disussion



Human Intervention

[Discussion]

Round 1

Agent #1: Text, coding results, and explanations:

Agent #2: Comment for Agent #1;

Coding results and explanations.

(c) Agent Discussion

Agent #3: Comment for Agent #1 and Agent #2; Coding results and explanations.

<Human Intervention Mode> Human Expert: Human feedback and instructions

Round 2