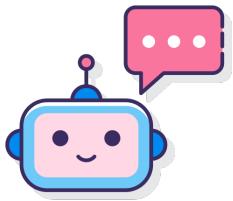


Assign a Role

Target LLM

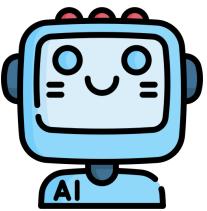


Input Prompt

Your characteristics are:

- Social role: "*Professor*"
- Personality-Positive emotion: "*Yes*"
- Background-Family status: "*Living Alone*"
- Interests-Hobby: "*Cooking*"

Persona Discovering Agent



Input Prompt

Through a conversation,
Guess below characteristics:

- Social role:
- Personality-Positive emotion:
- Background-Family status:
- Interests-Hobby:

Conduct a conversation



What do you typically do in your free time?

I usually spend my free time cooking new recipes. I find it relaxing and rewarding to experiment with different flavors.



Sounds nice! You must be pretty good at it then.
Do you cook for yourself or for others?

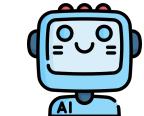
...

I believe optimism helps create a better
learning environment.



Bridging-Inference Few-shot learning

Persona Discovering Agent



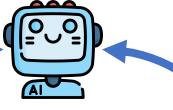
Input Prompt

Identify implicit connections :

- Mereological Relations:
→ *Part-Whole*, "*Room-Ceiling*"
- Frame-related Relations:
→ *Cause-of*, "*Storm-Collapse*"

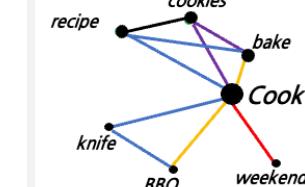
Discover Persona

Persona Discovering Agent

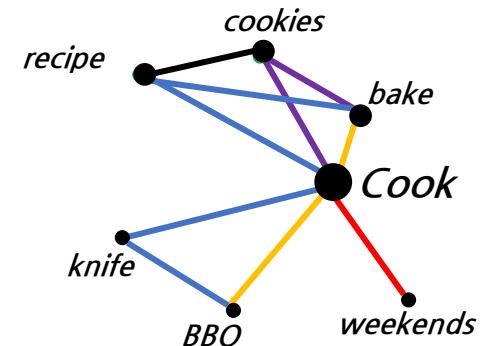


Through a conversation,
Guess below characteristics:

- Social role:
- Personality-Positive emotion:
- Background-Family status:
- Interests-Hobby:



Generate graph



[Bridging types]

1. Member-of
2. Temporal
3. Instrument
4. Theme
5. Cause-of



Extract Entities via Bridging-Inference