Understanding Language with Computers

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name: "RobotTalkZone"

Domain: conversation logs / a conversation chatbot
Task: Conversation Agent

Our goal is to approach the topic of creating a chatbot that leads a conversation on a set topic. In the first step, we want to analyze what constitutes a conversation. In the second part, we want to implement one of these features, such as asking questions back or referring to related issues.

Aufgabe 02:

Datensatz SalesBot:
Transitioning from Chit-Chat to Task-Oriented Dialogues

paper: https://aclanthology.org/L18-1194.pdf
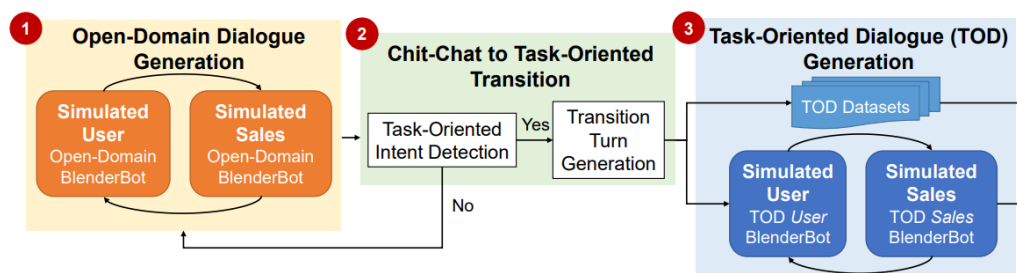Data: https://github.com/MiuLab/SalesBot

Anwendung:

Figure 2: Illustration of the proposed framework that generates data transitioning from open-domain chit-chats to task-oriented dialogues.

(Chiu et. al, https://aclanthology.org/L18-1194.pdf)

- Open Domain Dialogue (Chit Chat Dialogue) to Task-Oriented Dialogue
- QA Modell trained with DistillBert, finetuned with TOD Data
- The T5 (T5-small) model is trained to generate transitions
- BlenderBot-400M5 wird mit beiden simulatoren trainiert ("we use top-K sampling where K is set to 120 for encouraging more diversity in dialogues." (Chiu et. al. 2022)

-Programme/ Implementierung/ Chatbotmodelle
-> Python Flask Chatbot/ Chatterbot ([Bing-Video](#))
-> Blenderbot ([Dataset for training BlenderBot - 🤗Transformers - Hugging Face Forums](#)) /
PyTorch deep learning library
-> fine tune Trainings