

3 Sample Dialogue Sessions

Table 1 presents a sample dialogue session of real user interaction with the Joker chatterbot. It has been collected in the context of the RE-WOCHAT shared task via a web interface. This session shows the emergence of a dialogue that can be qualified as roughly coherent, despite the fact that our system focuses on the local coherence of dialogue. Indeed, it only takes into account the last user utterance to select its response.

This example shows a certain ability of the system to select surprising utterances (4, 6, 12). It also points out the selection of incoherent utterances such as 8 and 14. Additional examples and discussions about the capabilities of the system can be found in (Dubuisson Duplessis et al., 2016).

Table 1: Sample Session with the Joker Chatterbot

1	USER: hi there !
2	SYSTEM: hi
3	USER: how are you joker ?
4	SYSTEM: i 've got to get back to work
5	USER: yeah i 've got to get back to work also
6	SYSTEM: i 'll go with you
7	USER: yeah sure
8	SYSTEM: hey
9	USER: how are you feeling today ?
10	SYSTEM: good why
11	USER: i just want to know
12	SYSTEM: if you guys are organizing something
13	USER: no no , we are not organizing anything
14	SYSTEM: printing a story that has become a topic of conversation

4 Additional Information

This chatterbot system has been previously used to collect a corpus of 41 open-domain textual dialogues with 27 human participants (Dubuisson Duplessis et al., 2016). This corpus is freely available at the URL: <https://ucar.limsi.fr>. An evaluation of the system was carried out involving objective measures and subjective self-reports (Dubuisson Duplessis et al., 2016). This has made it possible to discuss the general capabilities of the system (regarding understandability, repetition and coherence of system responses) as well as the subjective evaluations of human participants (in terms of amusement, engagement and enjoyability).

The current version of the system is available online at the URL: <https://webjoker.limsi.fr/RE-WOCHAT>.

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