WELCOME PRESENTATION

REVIEW 1

GROUP 5

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TOPIC

- Chameleon effect refers to nonconscious mimicry of the postures, mannerisms, facial expressions, and other behaviours of one's interaction partners
- How relevant is this in fictional dialogues i.e movies

RELEVANCE OF TOPIC

- Many of us have not heard about the chameleon effect but certainly have experienced it.
- Dialog writers keep their tone of words in a similar way to make their audience adapt to the style of making so that it can be more effective.

REFERENCE PAPER

CHAMELEONS IN IMAGINED CONVERSATIONS

- A New Approach to Understanding Coordination of Linguistic Style in Dialogs

Authors: Cristian Danescu-Niculescu-Mizil and Lillian Lee

URL: https://aclanthology.org/W11-0609

Imagined conversations: Computational approaches have been used in novels, screenplays, and other forms of text comprising imagined conversations done by the NLP community.

Methods:
- Linguistic style and human characteristics
- Movie dialogs corpus
- Measuring linguistic style
- Measuring convergence

Conclusion Based on Observations:

Based on the insight shed on different topics which affect the big picture, this advocates for the value of fictional sources in the study of linguistic and social phenomena. And this also tells us how the deep-rooted chameleon effect is in our lives, even though we might not realize it.It boils down to improving communication both between humans and between humans and computers.

OUR NOVELTY

In Today's increasing Technological innovations and integrations, Human-computer interactions have become an integral part. And one of the increasingly rising options is the *chatbot* which is an application of Natural Language Processing(NLP).

LITERATURE SURVEY #1

Enterprise to Computer: Star Trek chatbot

Authors: Grishma Jena, Mansi Vashisht,
Abheek Basu, Lyle Ungar, João Sedoc
Site: https://doi.org/10.48550/arXiv.1708.00818

LITERATURE SURVEY #2

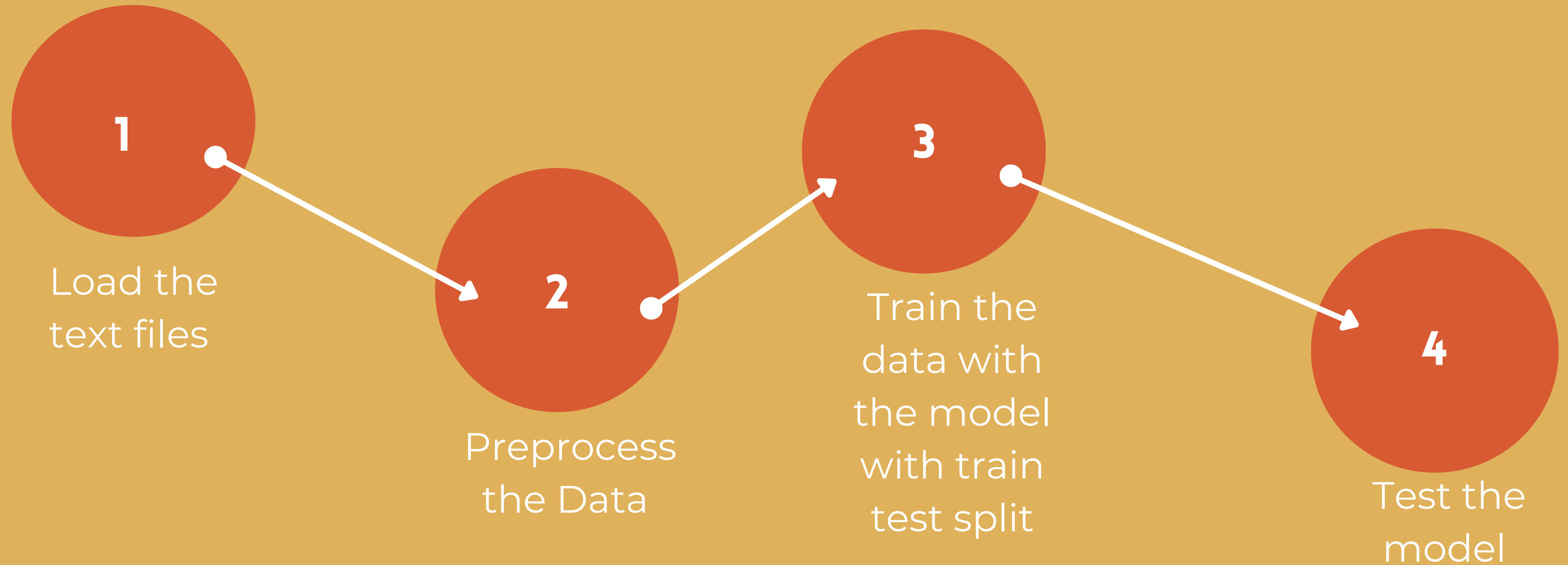## A Dataset for Document Grounded Conversations

OUR GOALS

- Through this project we try to answer the question whether the adaptation mechanism has become so deeply embedded in the language-generation process
- Talking to a normal bot may seem unnatural ,so adding a personality to our bot to make it more engaging is one of our main objective.

BLOCK DIAGRAM

1

Load the
text files

2

Preprocess
the Data

3

Train the
data with
the model
with train
test split

4

Test the
model

Solution Approach:

- **What is the input of training?**
  Two files: movie_lines.txt, movie_conversations.txt

- **What are major blocks?**
  Load the data, preprocess the data, train the model ,test the model

- **What is the output expected?**
  A chatbot that responds

- **Dataset description:**

DESCRIPTION:

                This corpus contains a large metadata-rich collection of fictional conversations
                extracted from raw movie scripts:

                - 220,579 conversational exchanges between 10,292 pairs of movie characters
                - involves 9,035 characters from 617 movies
                - in total 304,713 utterances
                - movie metadata included:
                    - genres
                    - release year
                    - IMDB rating
                    - number of IMDB votes
                    - IMDB rating
                - character metadata included:
                    - gender (for 3,774 characters)
                    - position on movie credits (3,321 characters)
                - see README.txt (included) for details

RESULTS

	value
count	443232.000000
mean	10.710666
std	12.068836
min	0.000000
25%	4.000000
50%	7.000000
75%	13.000000
max	554.000000

```
current total questions: 139509
current total replies: 139509
% of data used: 62.949999999999996%
```
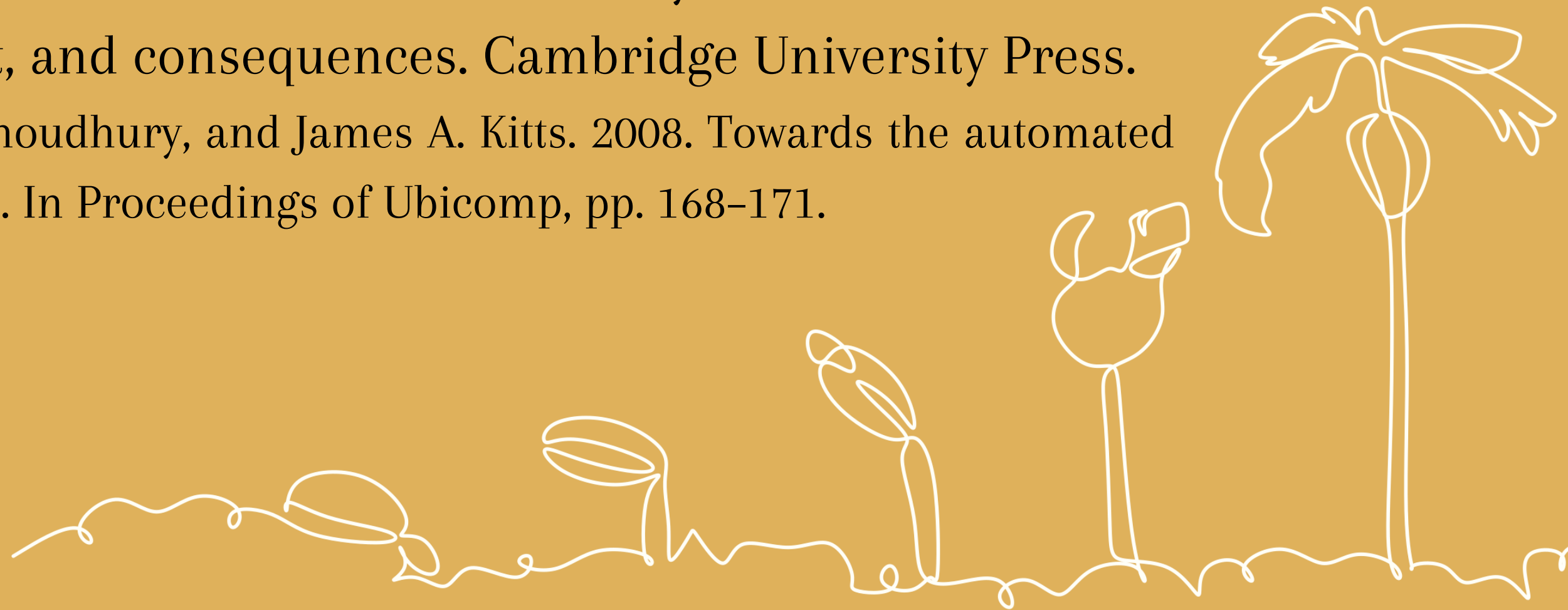
```
Total vocabulary: 45960
vocabulary length we will use: 8177
```

```
Total words: 2333676
Number of times <UNK> is used: 92998
Percent of words that are <UNK>: 3.99%
```

REFERENCES

- Lukas Bleichenbacher. 2008. Multilingualism in the movies: Hollywood characters and their language choices. francke verlag, Jan.
- Stanford W. Gregory and Stephen Webster. 1996. A nonverbal signal in voices of interview partners effectively predicts communication accommodation and social status perceptions. J. Personality and Social Psychology, 70(6):1231–1240.
- Heidi Hamilton. 1991. Accommodation and mental disability. In Accommodation theory: Communication, context, and consequences. Cambridge University Press.
- Danny Wyatt, Jeff Bilmes, Tanzeem Choudhury, and James A. Kitts. 2008. Towards the automated social analysis of situated speech data. In Proceedings of Ubicomp, pp. 168–171.

THANK YOU