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Analysing methods of Neural Text Generation to refine conversations

CSE-4022- Natural Language Processing

**Fall Semester 2021-22
Slot – B2+TB2**

**Under the guidance of,
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TEAM MEMBERS:

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ABSTRACT

A good conversation requires balance between

- Simplicity and detail;
- Staying on topic and changing it;
- Asking questions and answering them.

Although dialogue agents are commonly evaluated via human judgments of overall quality, the relationship between quality and these individual factors is less well-studied.

So, we are going to examine two controllable neural text generation methods-

1. Conditional training and
2. Weighted decoding,

This will help us control the four important attributes of conversation: repetition, specificity, response-relatedness and question-asking. By controlling these parameters, our goal is to show how controlling combinations of these variables can get clear improvements in human quality judgments.

Under Mihir Antwal:

By the help of different datasets, projects, research papers, we will try to work out on improving the neural text generation's conditional training method.

Under Sam Methuselah:

With the understanding of the Weighted Decoding method, one can gain a lot of knowledge on how to improvise the idea of improving the conversations