

**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,**

Ilakiyaselvan N

Assistant Professor (Senior)

SCOPE

**TEAM MEMBERS:**

Mihir Antwal (19BCE1641)

Sam Methuselah (19BCE1698)

**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 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