Name: Nilay Kamar

**Case Presentation Evaluation Form**

Date: 15.07.2020

Speaker: Asst. Prof. Şeniz Demir

Topic: Introduction to Word Embeddings and Sequence-to- Sequence Neural Networks

*Please rate the presentation on the following scale:*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Area*** | **Excellent** | **Very Good** | **Good** | **Fair** | **Poor** |
| Overall Content | **5** | 4 | 3 | 2 | 1 |
| Quality of Presentation | **5** | 4 | 3 | 2 | 1 |
| Quality of Audiovisual Aids | **5** | 4 | 3 | 2 | 1 |
| Relevance to Practice | **5** | 4 | 3 | 2 | 1 |

*1. Summarize the most important points of the presentation.*

Demir summarized their projects about finding the thesis statement stands for a person, an event, a country, etc. in Wikipedia pages in the lesson. firstly, it should be found which words are the most frequently used, how they are related, and their importance in the corpus. In early times of NLP, these relationships had been calculated by cosine similarity matrixes, however, as the dimension of the corpus had been increased, the computation cost also increases. To handle this computational cost, words, characters, or documents are analyzed by using the window-based method which is looking only x words before and after the given word. another dimension reduction technique used in NLP is working with the words whose frequency is bigger than y. After these calculations and converting processing which is related to words-to-vectors, neural networks would be ready to learn to predict the thesis statement of wiki-pages.

*2. What did you learn from this presentation that you did not know before?*

* “Koyun” is the word that has the most different meaning according to context.
* Demir especially mentioned that the sign of the values in similarity vectors does not mean anything to understand, the important one is the total value of the similarity vector.
* The order of the window is not important to calculate the similarity vectors.

*3. Other comments/suggestions:*

Thanks,Seniz Hoca for the sharing her simple expression of the complex natural language processing problems.