Name: Nilay Kamar

**Case Presentation Evaluation Form**

Date: 29.07.2020

Speaker: Assoc. Prof. Mehmet Gonen

Topic: Dimensionality Reduction Algorithms

*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.*

Mr. Gonen started to session with a short brief of dimensionality reduction and why it is important in machine learning projects. PCA algorithm from unsupervised dimensionality reduction techniques and later FDA, SNE and t-SNE algorithms from supervised learning algorithms were explained with basic mathematical details by Mr. Gonen. Iris dataset was shown in different dimensionality reduction algorithms and their results. Mr. Gonen also states how to evaluate results of dimensionality reduction algorithms such as elbow method. In the last part of the session, Mr. Gonen show how to wrote a PCA algorithms without using any library and he was applied on the dataset.

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

It was very excited for me to learn use cases of health or pharmacy domain in machine learning algorithms. Mr. Gonen shortly explained their studies on similarities between proteins and similarities between drugs. I also did not know basis of PCA algorithm so much, therefore this part was helpful for me. An example of Tesla’s autonomous car crush was also interesting for me, I did not know details of that crush.

*3. Other comments/suggestions:*

There is no suggestions/comments for this session.