**Weekly Activity Report**

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Activity for week starting: 11 December and ending 17 December 2023

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| **Day** | **Describe Activity** | **Estimate Time Spent** |
| Monday | I did research on what are the important things with feature engineering process and how to implement it. | 1 hours |
| Tuesday | Started implementing Feature step. | 2 hour |
| Wednesday | Umut and I had a meeting with our advisor and let him know about the decision we made about the changes on our project. | 1 hours |
| Thursday | Finished implementing Feature engineering step | 2 hour |
| Friday | Started implementing Feature Scaling step from the knowledge I got when I was researching for Feature engineering. | 4 Hours |
| Saturday | Finished feature scaling and started researching how to do dimensionality reduction because it is said to be crucial for KMeans Clustering.  Found a good example and studied how it was done. | 6 hours |
| Sunday | Nearly finished implementing the dimensionality reducing. There only seems to be an error I can’t get rid of yet. | 4 hours |

**Total**: 20 hours