**Introduction**

We never get perfect data in real-world, hence our data models and decisions based on corrupted (noisy) data tends to be inaccurate. Presence of noise can make a negative impact on system performance by increasing the complexity and training time and decreasing the efficiency of the resulting model. Majority of prevailing machine learning algorithms have already incorporated different tactics to handle noise, despite that, noise still can affect algorithms performance adversely. Hence, knowing the exact impact of noise in our data sets is an essential issue and should be evaluated to make an effective model to take a better decision accordingly.

**Limitations & Outlook**

Due to time constraints, currently, we applied only three popular machine learning algorithms (Naive Bayes classifier, Logistic Regression and Random Forest classifier) to evaluate the impact of noise on the above-mentioned algorithms. Also, we calculated the noise impact based on default hyper-parameters for each algorithm. However, we would attempt to investigate the impact after performing hyper-parameter tuning on the existing algorithms, in addition to experimenting with other algorithms like decision tree and k-nearest neighbors (KNN) as part of future work..