**Q&A: Cryptocurrency Analysis**

**How did the number of features change**?

* As part of the Dimensionality Reduction, after Data Preparation the number of data features was nighty-eight and the aim of the project was to use “explained\_variance\_ratio\_” to preserve ninety percent of the explained variance in dimensionality reduction. The features were reduced to seventy-four, which is a difference of twenty-four features.

**Where is the elbow of the plot and at which value of `k` does it appear?**

* In part of Clusters Analysis with k-Means, the elbow of the plot is at K=7.

**Based on your findings, make a brief (1-2 sentences) recommendation to your clients. Can the cryptocurrencies be clustered together? If so, into how many clusters?**

* The cryptocurrencies can be clustered together and we can also separate them into many clusters; as many as you expect to define in each type of cluster.   Perhaps I am totally mistaken but I think the clusters could defined by :
* CoineName with high TotalCoinsMined/ most TotalCoinSupply
* CoinName with low TotalCoinsMined/ high in TotalCoinSupply
* CoinName with low TotalCoinsMined/ low in TotalCoinSupply

Or

* Algorithm with high TotalCoinsMined/ most TotalCoinSupply
* Algorithm with low TotalCoinsMined/ high in TotalCoinSupply
* Algorithm with low TotalCoinsMined/ low in TotalCoinSupply