**SVM (Support Vector Machine)**
- Machine Learning Algorithm
- Supervised
- Used for a variety of tasks
    - Classification
        - Text classification
        - Image classification
    - Regression
- Find the optimal hyperplane in N-dimensional space
- It works by choosing the "hyperplane whose distance from it to the nearest data point on each side is maximized."

    - Resources:
        - [Support Vector Machine (SVM) Algorithm - GeeksforGeeks](#)

**K-means**
- Unsupervised
- Groups data into clusters
- Goal is to divide a set of data into groups of comparable items.
- Works by:
    - Initializing means
    - Categorizing items by closest mean
    - Update mean
    - Repeat

    - Resources:
        - [K means Clustering - Introduction - GeeksforGeeks](#)