

# Discovering the colour palette

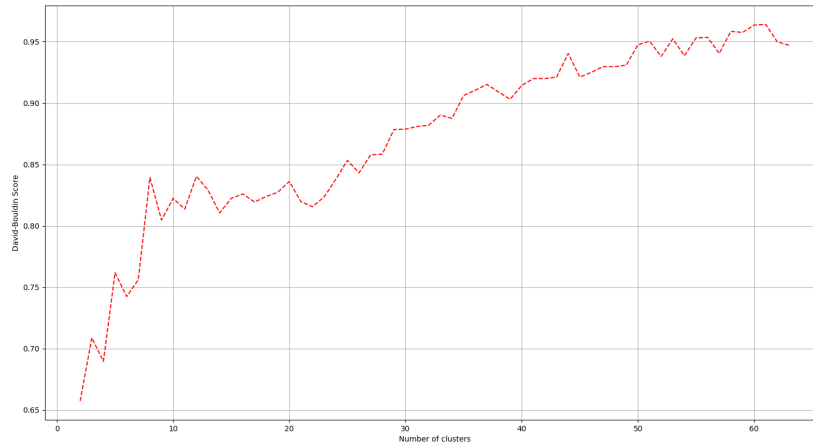
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## 1 Setup

For this assignment, 256x256 colorful photo is used. Repetitive data points are not removed. To observe the effect of k value on David-Bouldin score, K-means algorithm is run up to 64 clusters and the score is calculated for each of them. Moreover, image compression by clustering is applied to the image.

## 2 Results



Since lower David-Bouldin score is better, we can say that low number of clusters is better.

Images are given seperately files.