$Refer \underline{https://bugra.github.io/work/notes/2014-11-16/an-introduction-to-unsupervised-learning-scikit-learn/learning-scikit-learn/learning-scikit-learn/learning-scikit-lear$

 $\label{lem:recomposition} Refer; \ http://scikit-learn.org/stable/auto_examples/decomposition/plot_faces_decomposition.html \#sphx-glr-auto-examples-decomposition-plot-faces-decomposition-py$