DS_Lab project
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This is a short guide about the file in the folders.

1. **CLUSTERIZATIONS WITH K MEANS**
   This folder contains the code presented in the report
   - Clustering_Freedom
   - Clustering_Happiness

2. **OTHERS**
   This folder contains other two folders in which are DbScan clustering and GMM analysis
   a. DB scan
   b. Mixture model
   - country_matching.csv (dataset created by us for data pre processing)

3. **PROCESSED DATASET**
   In this folder there are:
   a. **Dataset Freedom**
      This folder contains *Freedom* colab (about all phases of data pipeline on Freedom dataset), *freedom_sorted.csv* (dataset used for Freedom visualizations)

   b. **Happiness+Freedom**
      This folder contains *Merging Happiness and Freedom* colab (merging dataset), *freedom_cleaned.csv* and *variance_df.csv* (dataset used in all the analysis)

4. **SOURCES**
   This folder contains all the initial dataset used to obtain dataset for the analysis