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In [ ]: # Grouping
In []: import pandas as pd
In []: pd.read csv('路径')
        df.head(2) #head 2 rows
        df.tail(2) #tail 2 rows
In [ ]: | df.groupby('Sex').replace('?'.np.nan).dropna()
In [ ]: | for k,g in df.groupby('Sex'):
            print(k,g) #give tuples of unique values
In [ ]: |df.groupby('Education').min()
In [ ]: # agg
        df[['Education','Year','Salary']].groupby('Education').agg(['mean','mi
In []: df.groupby('Education').agg({'Department':['size'],'Sex':['size'],'Yea
        # 每个col都有自己的想要的东西
In []: # 这个还是一个dataframe type
In [ ]: def myfunc(X):
            return np.mean(X[X!=X.max()])
        df[['Department','Salary','Year']].groupby('Department').agg(myfunc)
In [ ]: # Example
        df=pd.read csv('.../asd/asda/...',sep=";")
        df.head()
In []: # choose only the following columns: ...
        # change all the columns to lower cases
        # drop all columns/rows with missing values
        # limit the dataset to countries with populations over 20 million
        # reset the index to start from 0
        # add a new column (coastal) that is true for countries with coastline
        df=df[['Country','Continent'...]]
        df.columns=[i.lower() for i in df.columns]
        # df.columns=df.columns.str.lower()
        df=df.dropna()
        df=df.loc[df.Population>20,:]
        df=df.reset_index()
        # df=df.reset_index().drop('index',axis=1)
        del df['index']
        df['coastal'] = df['coastline']>0
        new_col=pd.DataFrame([[True] if i=='yes' else [False] for i in df.Coas
        df=df.concat([df,new_col],axis=1)
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