Important Pandas methods for Machine Learning

Data Preprocessing

- df.head()
- df.tail()
- df.info()
- df.describe()
- df.shape
- df.isnull().sum()
- df.loc[]
- df.iloc[]
- df.at[]
- df.iat[]

Data Cleaning and Transform

- df.dropna()
- df.fillna()
- df.replace()
- df.drop_duplicates()
- df.apply()
- pd.get_dummies()
- df.astype()
- df.rename()
- df.sort_values()
- df.sort_index()

Feature Engineering

- df.pivot_table()
- pd.cut()
- pd.qcut()
- pd.to_datetime()
- df.resample()
- df['col'].str.extract()
- df['col'].str.split()

Data Aggregation and Grouping

- df.groupby()
- df.agg()
- df.transform()
- df.pivot()
- df.rolling()
- df.expanding()
- df.ewm()