**DataFrame Slicing**

1. head()
2. tail()
3. df[‘column name’] --- return a single column
4. df[[‘column1’, ‘column2’]] --- return multiple column in any order
5. df['school'][0] – you can extract specific row from given column
6. df.iloc[15:20, 5:10] #df.iloc[index/row number, column number]
7. df.iloc[15, 5] #df.iloc[index/row number, column number]

Dataframe: DF

Situation 1: You have your column names School and Age, and you need all of the rows for these columns. Which technique would be more convenient to you?

DF. loc[:, [‘School’, ‘Age’]]

DF[[‘School’, ‘Age’]] # Easiest way doing this

Situation 2: You are given your column names, i.e. School and Age, and you need to extract rows between 100 and 500.

DF. loc[100:500, [‘School’, ‘Age’]]

Situation 3: You need to extract first 10 columns, and you need to extract rows between 100 and 500.

DF.iloc[100:500, :10]