

Introduction to EDA

Datatypes in Pandas

When loading a dataset into a [pandas DataFrame](#), pandas automatically predict the data type for each column. Generally, these assigned data types are accurate, but there are situations where pandas may require assistance correctly assigning the data type for a specific column. Additionally, you might need to modify the data type of a column to a more appropriate one based on the analysis you intend to perform on the dataset.

Provided below is a comprehensive list of pandas data types along with their common usage:

Pandas Data Type	Usage
object	Text or mixed numeric and non-numeric values
int64	Integer Numbers
float64	Floating point numbers
bool	True/False values
datetime64	Date and time values
timedelta[ns]	Difference between two datetimes
category	Finite list of text values

By understanding these pandas data types, you can effectively manipulate and transform the columns in your DataFrame to match the requirements of your analysis.