Knowledge Check

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1

How can you access the column *Age* in a Pandas DataFrame named *df*?

A. df('Age')

B. df[0]

C. df['Age']

D. df.Age()

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D. df.Age()

The correct answer is **C**

In Pandas, DataFrame columns can be accessed using the bracket notation with the column name as a string.

Knowledge Check 2

Which Pandas function is used to obtain a summary of descriptive statistics for a DataFrame named *df*?

A. df.describe()

B. df.statistics()

C. df.summary()

D. df.info()

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A. df.describe()

B. df.statistics()

C. df.summary()

D. df.info()

The correct answer is **A**

The describe() function in Pandas is utilized for providing a summary of descriptive statistics, including measures such as mean, median, and standard deviation for numeric columns.

Knowledge Check 3

How is the year extracted from a Pandas Series *date_series* containing datetime objects?

A. date_series.year()

B. date_series.get('year')

C. date_series.dt.year

D. year(date_series)

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B. date_series.get('year')

C. date_series.dt.year

D. year(date_series)

The correct answer is **C**

Pandas uses the dt accessor to access the datetime properties of a Series, with *.year* specifically extracting the year component from each datetime object in the series.