***What is Pandas?

Pandas is a Python library used for working with data sets.

It has functions for analyzing, cleaning, exploring, and manipulating data.

The name "Pandas" has a reference to both "Panel Data", and "Python Data Analysis"

*** Why Use Pandas?
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Pandas can clean messy data sets, and make them readable and relevant.

Relevant data is very important in data science.

***What Can Pandas Do?

Pandas gives you answers about the data.

Like:

- Is there a correlation between two or more columns?
- What is average value?
- Max value?
- Min value?

Pandas are also able to delete rows that are not relevant, or contains wrong values, like empty or NULL values. This is called cleaning the data.

***Where is the Pandas Codebase?
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https://github.com/pandas-dev/pandas

***Installation of Pandas

If you have Python and PIP already installed on a system, then installation of NumPy is very easy.

Install it using this command:

C:\Users\Your Name>pip install pandas

Once pandas is installed, import it in your applications by adding the import keyword:

```
import pandas
```

***Checking NumPy Version

```
import pandas as pd
print(pd___version___)
```