

PYTHON SCIPLY TUTORIAL

Notes by Sharad sir

***What is SciPy ?**

SciPy is a scientific computation library that uses NumPy underneath.

SciPy stands for **Scientific Python**.

It provides more utility functions for optimization, stats and signal processing.

*** Why Use SciPy ?**

If SciPy uses NumPy underneath, **why can we not just use NumPy?**

SciPy has optimized and added functions that are frequently used in NumPy and Data Science.

Where is the SciPy Codebase?

The source code for SciPy is located at this github repository

<https://github.com/scipy/scipy>

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***Installation of SciPy**

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

Install it using this command:

```
C:\Users\Your Name>pip install scipy
```

***Import SciPy**

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

```
"import SciPy" or "from scipy"
```

***Checking SciPy Version**

```
import scipy
```

```
print(scipy.__version__)
```