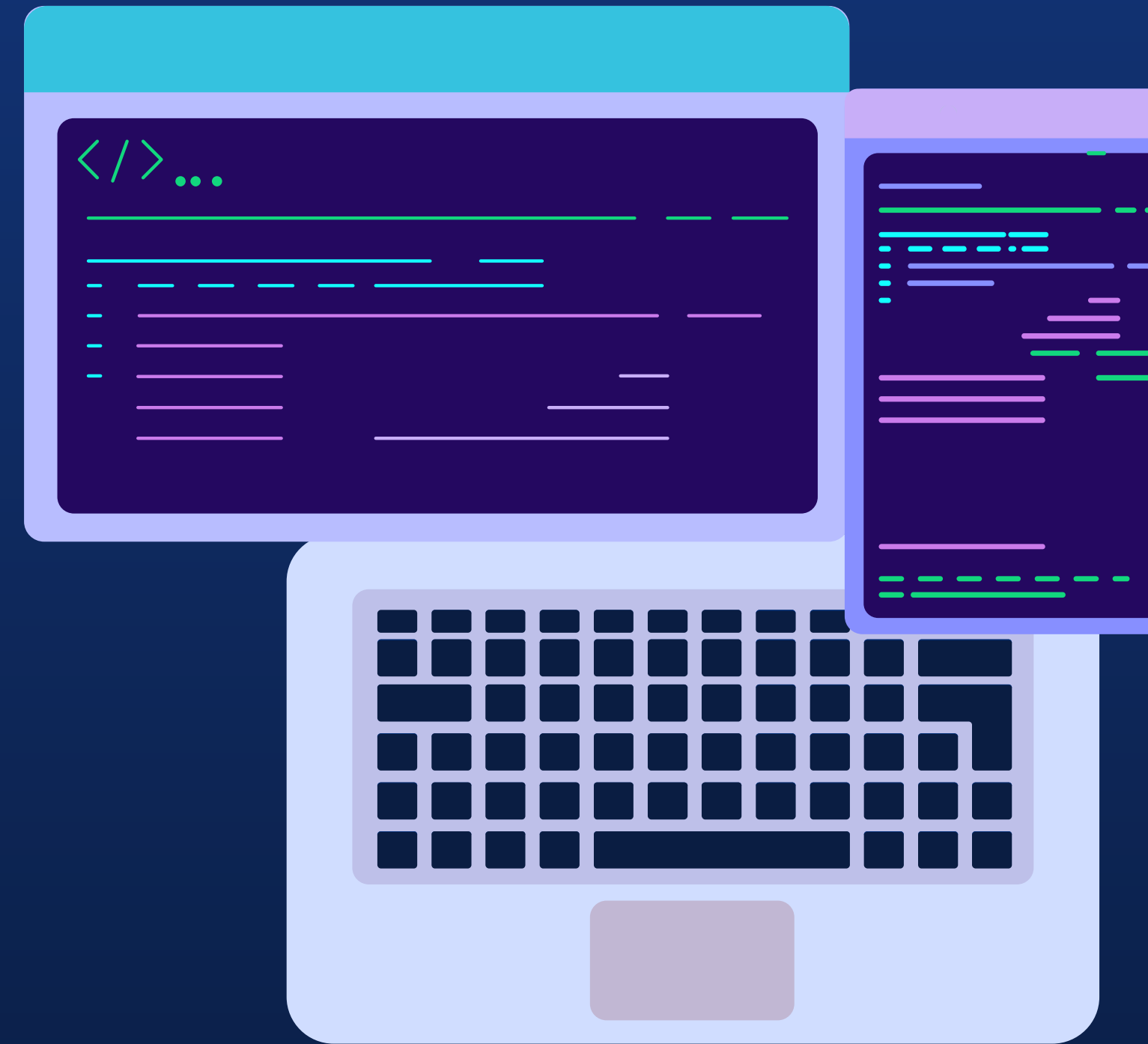


USER GUIDE FOR JUPYTER NOTEBOOK AND COMMAND LINE INTERFACES (CLIs)



Let's Meet Team Star Command.



CHRIS HALES



ARYAA PAI



EMILY PARKER

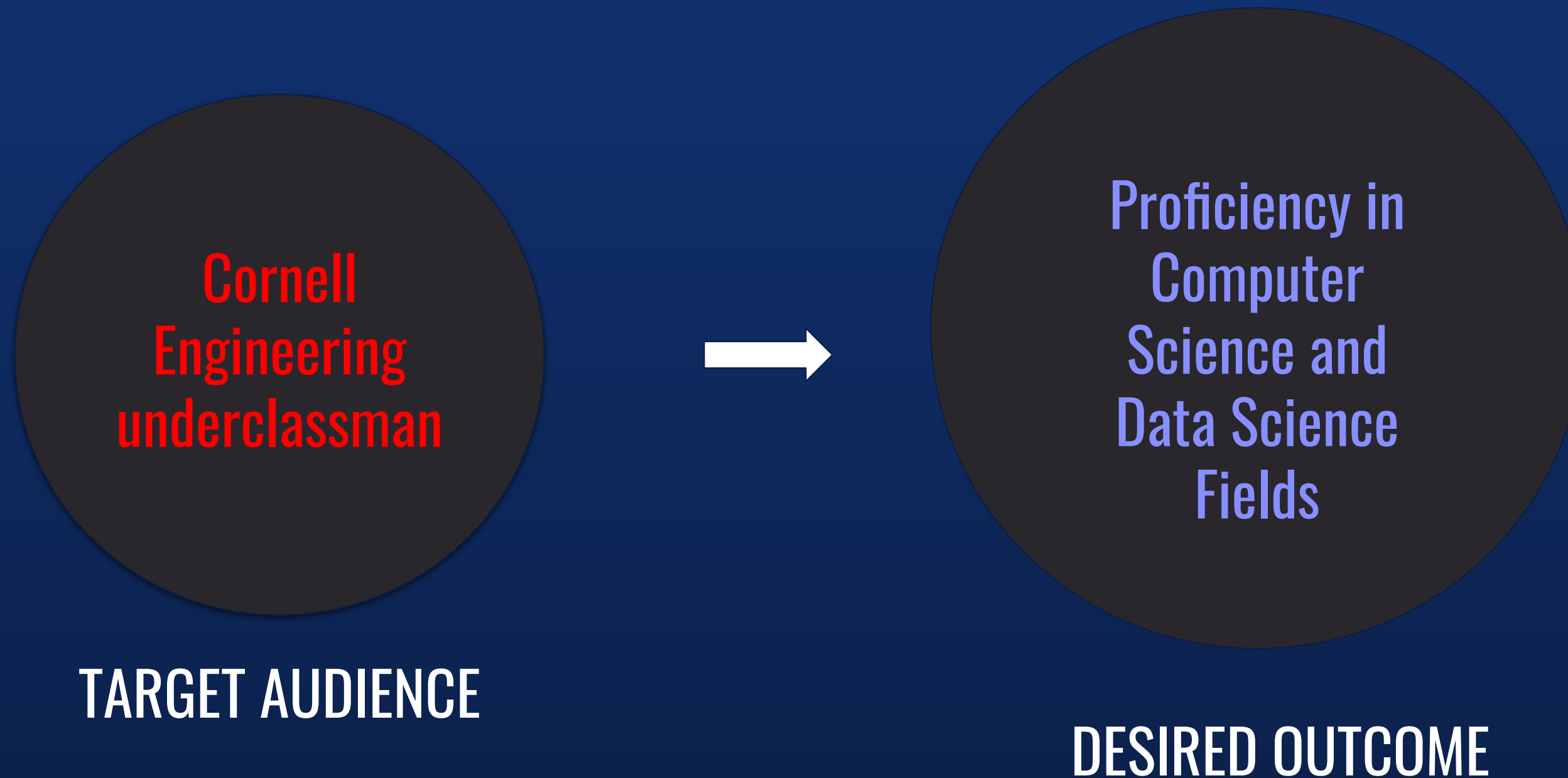


SARANYA SIVARAM



EVA ZHANG

Our goal is to effectively teach Jupyter Notebook and CLIs.



Jupyter Notebook and CLIs are ubiquitous in school and industry.



Jupyter Notebooks and CLI's are challenging to pick up.

PROBLEM 1

It is hard to understand the documentation and find the packages you need.

PROBLEM 2

Markdown cells, data visualization and data analysis tools are not intuitive.



Navigating Jupyter Notebook can be very confusing.





Documentation on CLIs is scarce.

Writing code using text based editors can be frustrating. Downloading software using CLIs is often confusing and time consuming.


when stack overflow doesn't help solve your problems






This is our solution.

An easy to use website
with tutorials that
showcase and promote
all of the most
important features.









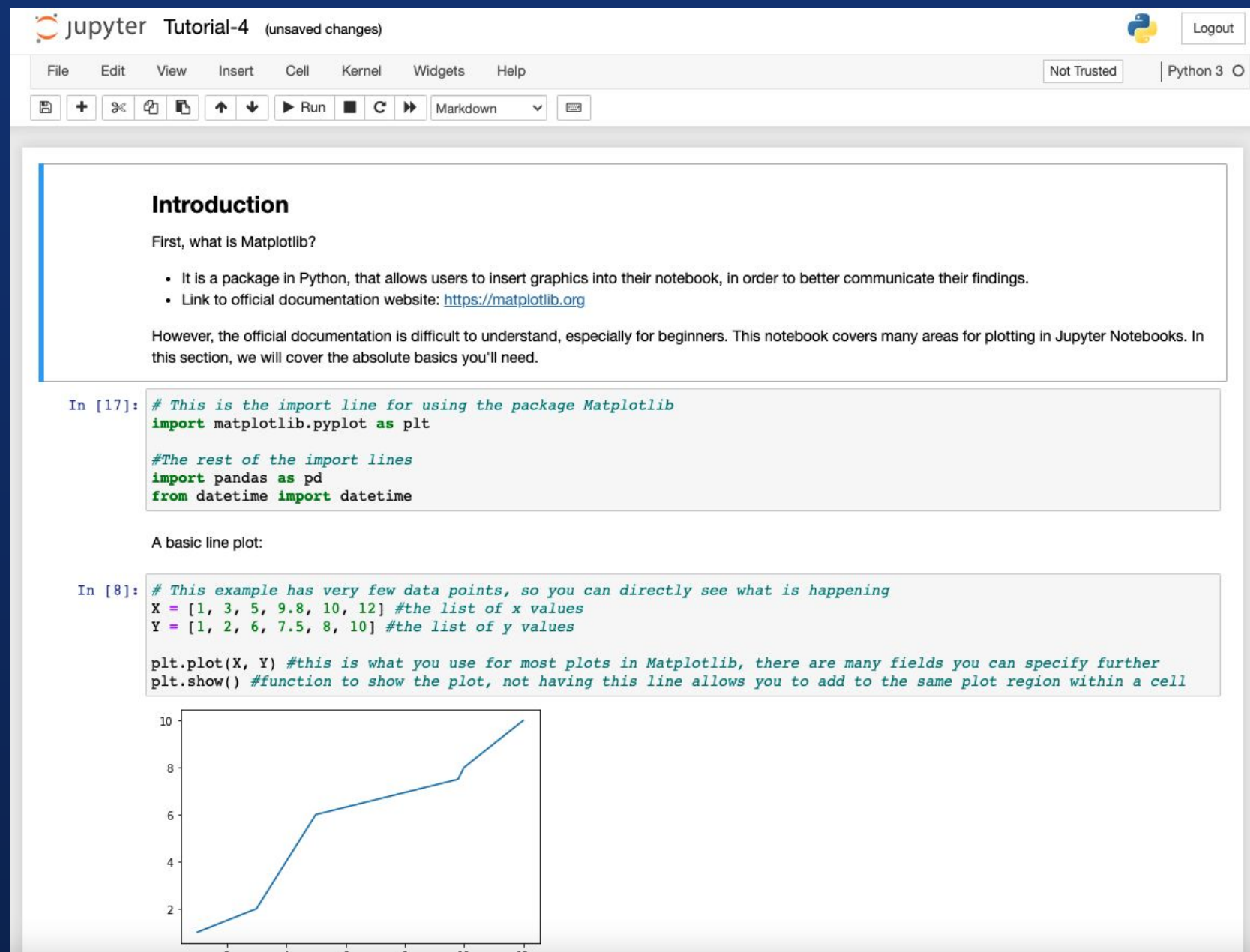
We developed a series of tutorials to help the user master essential skills for Jupyter and CLIs.



Tutorials

We have developed the following series of tutorials to help you master Jupyter Notebooks and Command Line Interface. Please follow through Tutorial 1 to download the softwares required for this user document. While we recommend that you complete all the other tutorials in the order given below, each tutorial is independent and you can complete it as per your preference.

 <p>Tutorial 1 Installation of Jupyter Notebook using Anaconda Start →</p>	 <p>Tutorial 2 Getting Started with Jupyter Notebook Start →</p>	 <p>Tutorial 3 Using Cells and Markdown in Jupyter Notebooks Start →</p>
 <p>Tutorial 4 Plotting in Jupyter Notebooks Start →</p>	 <p>Tutorial 5 Using the Command Line Interface Start →</p>	 <p>Tutorial 6 Useful Resources Start →</p>



We hosted our tutorials in .ipynb files because they offer user interactivity for Jupyter and CLIs.

We made some key design decisions.

Why did we
focus on only
MacOS?

Why did we
choose to use
a website?

Welcome to the launch pad!

StarCommand

Master the use of Jupyter Notebooks and Command Line Interface

A complete guide to tools essential for students starting their journey in software engineering and data science.

[Get Started →](#)

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About the Project

This user guide was developed as the Project 2 for ENGRC 3500 Engineering Communications course.

PROBLEM STATEMENT

BACKGROUND HISTORY

USER NEEDS

Many introductory programming courses in Cornell's College of Engineering require the use of command-line interfaces (CLIs) to download programs such as Jupyter Notebook.

Jupyter Notebooks allow users to neatly present code and documentation; proper understanding of CLIs can give users more control over their operating system and execute tasks faster.

For students new to programming, these tools are essential but can be very intimidating without experience. Unfortunately, there is a significant lack of reference documentation for students to review, especially from Cornell.



We give the user context about the project.



PROTOTYPE DEMO



USABILITY TESTING

The tutorials could benefit from more detailed explanations.





A guide to **user commands** in Jupyter would be very helpful.

```
str(1)
```

```
'1'
```



This is how you can represent anything into type `String` :

```
str(1)
```

```
'1'
```

We want to **simplify** the tutorial download process because **GitHub is confusing**.




How We Plan to Move Forward

Condense
Tutorials 4 and 5

Make Download
Process Easier

Improve Readability
of Tutorials

Internal Usability Testing



Thank you!

Any questions?

Access our [website](#) to learn more about Jupyter Notebook and CLIs !

