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Usage patterns in the Jupyter Ecosystem

JupyterCon 2025



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nb.anaconda.com

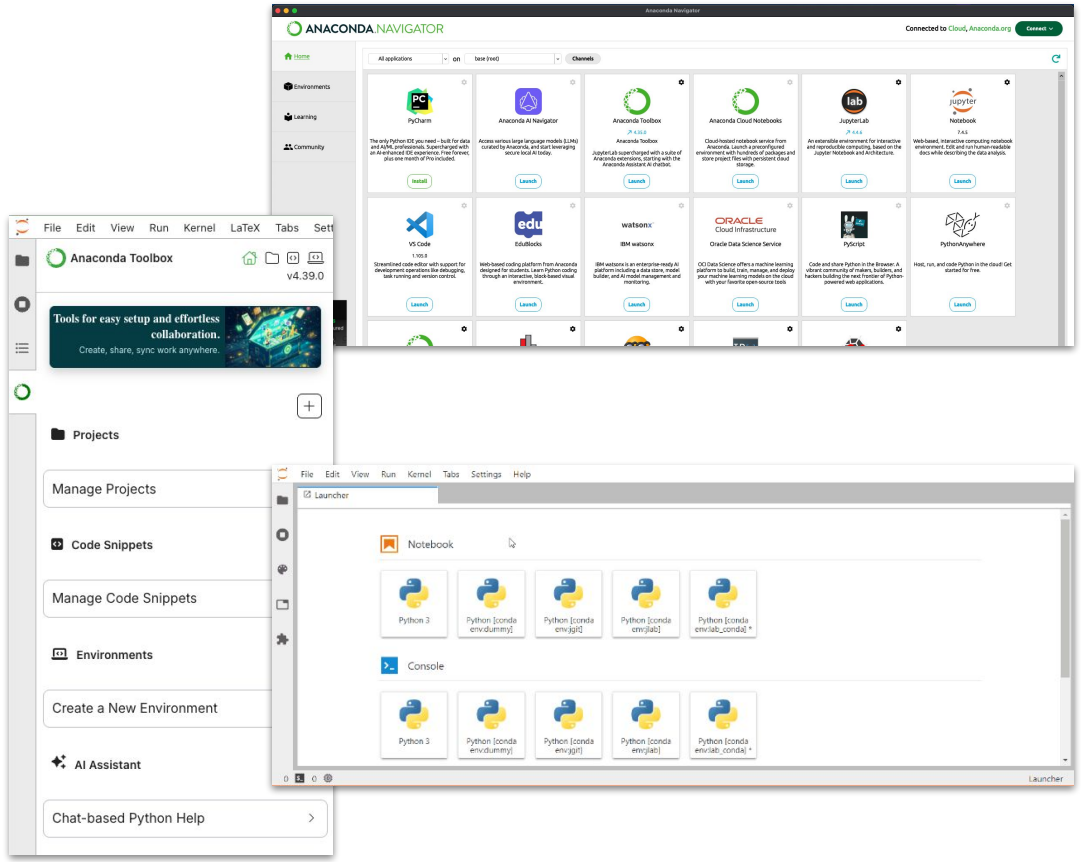


Jack Evans

Product Manager - London

Anaconda since June 2023

Jupyter - 2016



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Cloud

15% of users

- No Installation
- Pre-Built Environments
- Access anywhere
- Easy collaboration



Local

85% of users

- Custom Environments
- System control
- Local filesystems
- Session length

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jupyter Notebook

79% of users

- ➔ Clean UI
- ➔ Focus on the Notebook
- ➔ Better Accessibility
- ➔ “What I was told to use”

jupyterlab

21% of users

- ➔ Extension Library
- ➔ File manager
- ➔ IDE experience
- ➔ Multi-file UI

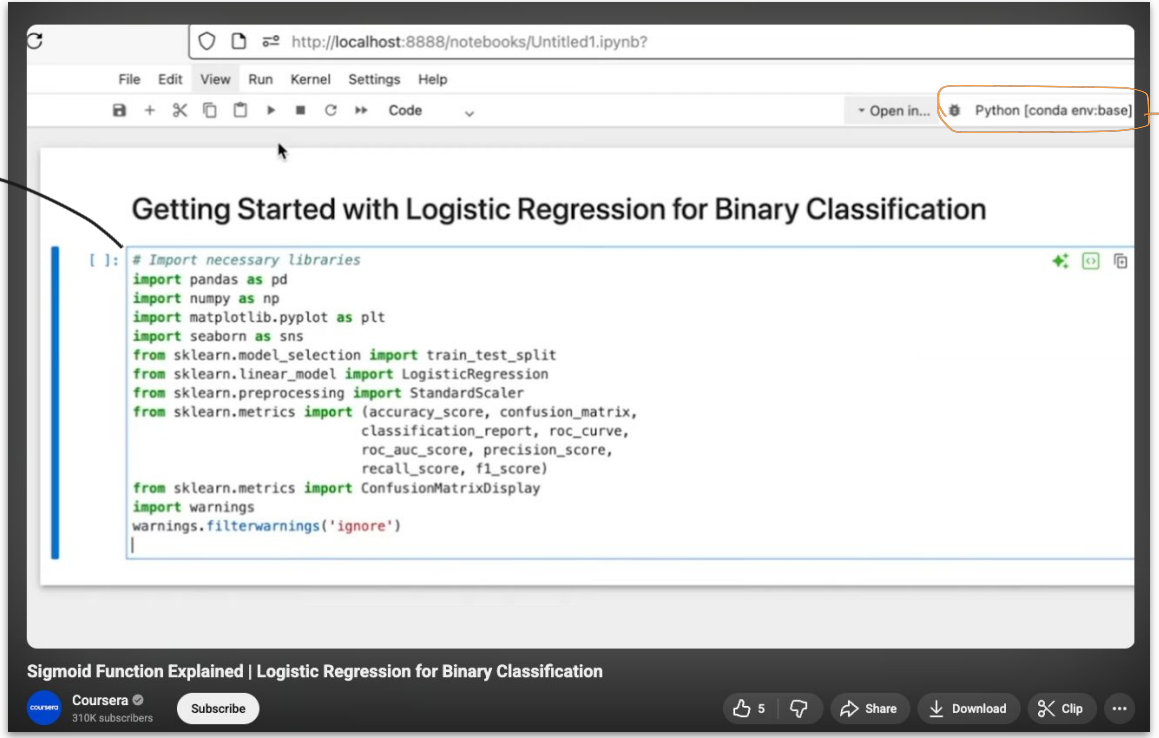
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Cell 1:

"# Import necessary libraries"

Gator



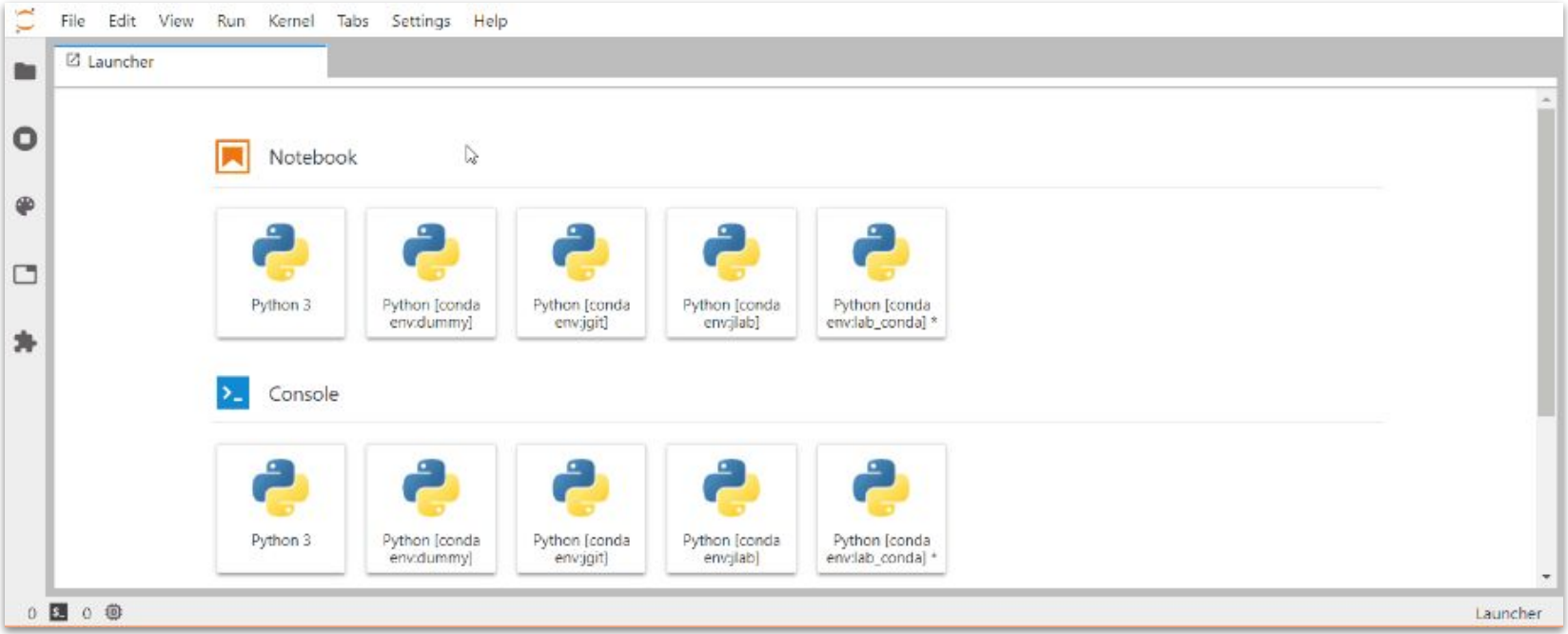
70%

of users never leave the base

CEP 22
Frozen Envs

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https://github.com/mamba-org/gator



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Most common Errors in a Notebook

1. NameError
2. FileNotFoundError
3. ModuleNotFoundError
4. KeyError
5. SyntaxError

- ➔ Wrong working directory
- ➔ Cell execution order
- ➔ Typos



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Most common Errors in a Notebook

1. NameError
2. FileNotFoundError
3. ModuleNotFoundError
4. KeyError
5. SyntaxError

- ➔ “X” is not defined
- ➔ / \ differences between OS
- ➔ Notebook shared with the data file

Anaconda Toolbox

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ANACONDA.

Most common Errors in a Notebook

1. NameError
2. FileNotFoundError
3. ModuleNotFoundError
4. KeyError
5. SyntaxError

- ➔ Package not installed
- ➔ Kernel not restarted after install
- ➔ Inconsistent Imports

PYODIDE WA

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ANACONDA.

Most common Errors in a Notebook

1. NameError
2. FileNotFoundError
3. ModuleNotFoundError
4. KeyError
5. SyntaxError

- ➔ Coding mistakes
- ➔ Cell execution order
- ➔ Changes in the raw data files



In the Loop



Wednesday November 5, 2025 11:35am - 12:00pm PST

Pacific Room

“Runtime Agents: Unleashing Event Sourced Collaboration for Jupyter”
By Kyle Kelley

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ANACONDA.

Most common Errors in a Notebook

1. NameError
2. FileNotFoundError
3. ModuleNotFoundError
4. KeyError
5. SyntaxError

- ➔ Coding mistakes
- ➔ Indentation errors
- ➔ Package version incompatibility



AI Assistant

Anaconda Assistant for Python in Excel can analyze your Python code and recommend different ways of working with your data.

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Thank you



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