

NOTEBOOK	DESCRIPTION	LANGUAGE SUPPORTED	SYNCHRONOUS EDITING ¹	CLOUD OR LOCAL	PRICING
<u>Deepnote</u>	Deepnote is a new kind of data notebook that's built for collaboration – Jupyter compatible, works magically in the cloud, and sharing is as easy as sending a link.	R, Python, Julia	Yes	Cloud	Standard and Pro versions are free for students and teachers
<u>JupyterLab</u>	JupyterLab allows users to configure and arrange workflows in data science, scientific computing, computational journalism, and machine learning. A modular design invites extensions to expand and enrich functionality.	R, Python, Julia, and more	Yes ²	Both	Free
<u>Google Colab</u>	Colab allows to write and execute arbitrary python code through the browser, and is especially well suited to machine learning, data analysis and education.	Python	No	Cloud	Free
<u>Apache Zeppelin</u>	Web-based notebook that enables data-driven, interactive data analytics and collaborative documents. Great for big data analysis.	Python, SQL, R, Shell, Apache Spark, and Apache Flink	Yes	Both	Free

¹Allow real-time collaborative editing.

²Collaboration feature is experimental, regular backups are recommended. Not all editors are sync.

NOTEBOOK	DESCRIPTION	LANGUAGE SUPPORTED	SYNCHRONOUS EDITING ¹	CLOUD OR LOCAL	PRICING
<u>SageMath</u>	SageMath is a free open-source mathematics software system. It builds on top of many existing open-source packages: NumPy, SciPy, matplotlib, Sympy, Maxima, GAP, FLINT, R and many more.	Python	No	Local	Free
<u>CoCalc</u>	CoCalc is a virtual online workspace for collaboratively performing calculations when carrying out research, teaching, or authoring/publishing documents.	R, Python, Julia, and more	Yes	Cloud	Depend on license chosen
<u>Observable</u>	Observable is a platform where you can collaboratively explore, analyze, visualize, and communicate with data on the web. (Strong in visualization)	JavaScript ²	Yes	Cloud	Free for limited users and functions
<u>Mode</u>	Mode is a data science platform that brings together a SQL editor, Python notebook, and R	Python, SQL, R	No	Local	Free for limited users and functions

¹Allow real-time collaborative editing

²Learning materials available for other coding language users

NOTEBOOK	DESCRIPTION	LANGUAGE SUPPORTED	SYNCHRONOUS EDITING ¹	CLOUD OR LOCAL	PRICING
<u>JetBrains Datalore</u>	A powerful environment for Jupyter notebooks. Use smart coding assistance for Python, SQL, R and Scala in Jupyter notebooks, run code on powerful CPUs and GPUs, collaborate with your team, and easily share the results.	Python, SQL, R and Scala	Yes	Cloud	Free for limited users and functions
<u>Notebooks in VSCode</u>	Visual Studio Code supports working with Jupyter Notebooks natively, and through Python code files.	Python, R, Julia, JavaScript, and more	Yes ²	Both	Free
<u>Nextjournal</u>	Runs anything you can put into a Docker container. Improve your workflow with polyglot notebooks, automatic versioning and real-time collaboration.	Python, R, Julia, and more	Yes	Cloud	Free for limited users and functions
<u>ArcGIS Notebooks</u>	ArcGIS Notebooks provide a versatile web-based interface for powerful geospatial data analysis. ArcGIS Notebooks provide an integrated platform to create, share, and run data science, data management, and administrative scripts.	Python	No	Cloud	Free for Tufts affiliates

¹Allow real-time collaborative editing

²Live Share Extension Pack available at <https://marketplace.visualstudio.com/items?itemName=MS-vsiveshare.vsliveshare-pack>