



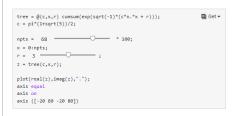
# What's New in MATLAB® R2023b?

### **Environment**

### **Live Editor Tasks**

### **Create Live Editor task from selected cod** with interactive controls

You can convert a selection in the Live Editor that contains code, text, and interactive controls into your own Live Editor task.



## Export function to md and ipynb file

Convert live scripts and functions to Markdown files and Jupyter notebooks

You can convert live scripts and functions to Markdown files and Jupyter® notebooks by using the export function

### **Source Control & Integration**

### Git source control API **Interact with Git source** control programmatically



You can now programmatically interact with source control, with all common functionalities: gitclone, gitrepo, createBranch, etc.

### Source Control in MATLAB Online **Perform operations** using unified panel

See all active repo, manage modified files, and perform source control operations.



### **Database**

### Relational Database **Interact with databases** usina ORM



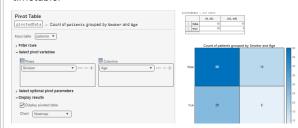
Object relational mapping (ORM) is a software layer that provides the capability to interact with relational databases using MATLAB® objects. See example: Read and Write Objects to Relational **Database Using ORM Workflow.** 

### **Data Analysis & Mathematics**

### **Pivot Table Live Editor Task**

Interactively summarize tabular data in pivoted

Use the **Pivot Table** task in the Live Editor to interactively perform a pivoting operation on data in a table or timetable.



### **Quantum Computing**

### The MATLAB Support Package for Quantum Computing

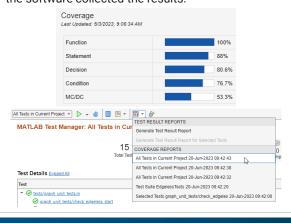
Build, simulate, and run quantum algorithms.

See Introduction to Quantum Computing for more information.

### **MATLAB Test**

### Code Coverage and Code Quality Dashboard Interactively collect coverage results and view timestamps for metric results in the Code Quality Dashboard

You can now collect coverage in the MATLAB Test Manager when you run selected tests or test suites. In R2023b, each section of the Code Quality Dashboard displays a timestamp that indicates when the software collected the results.



### **Apps & Graphics**

### ChatGPT+MATLAB = MatGPT MATLAB app & class to access **ChatGPT API from OpenAI**

Load a list of prompts for specific use cases and engage in conversations with ease. If you're new to ChatGPT and

prompt engineering, MatGPT is a great way to learn.



### Web App

### **Embed MATLAB Web App Using iframe HTML Element**

You can embed MATLAB® web apps in other web pages using an iframe HTML element. For details, see Embed **MATLAB Web App Using iframe HTML** Element.

### Data exchange

You can now seamlessly facilitate data exchange between a custom web page and a MATLAB web app. For details, see Exchange Data Between Custom Web Page and Embedded MATLAB Web App.

### **MATLAB & Python**



## Python: Support for version 3.11

MATLAB now supports CPython version 3.11, in addition to existing support for versions 3.9 and 3.10. See all supported versions by release.

## **Resolve Python configuration**

Error messages provide additional help for you to resolve these Python configuration issues. See Configure Your System to Use Python.

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