MathWorks®

R2025b

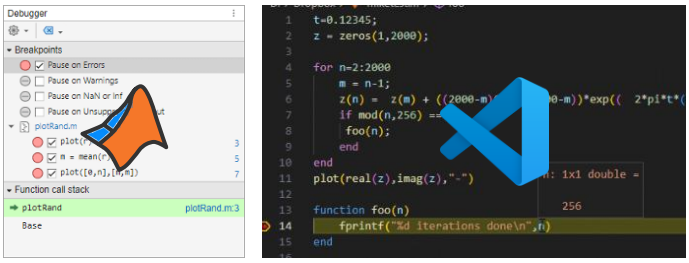
What's New in MATLAB® R2025a-b (2)?

Language and Programming

Debugging

Manage breakpoints and navigate function call stack

Use the **Debugger panel** to manage breakpoints and navigate the function call stack while debugging. For more information, see **Debug MATLAB Code Files**. For the **MATLAB extension for Visual Studio Code**, see also: **Debugging support in the MATLAB extension for Visual Studio Code**.



matlab.lang.workspace Object

Store workspace variables

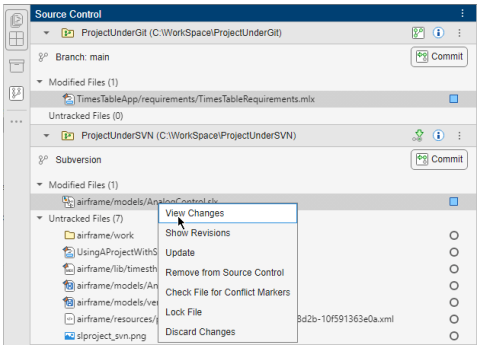
Store variables within a workspace as a **matlab.lang.Workspace** object. You can pass this object and access it from other workspaces: **baseWorkspace**, **currentWorkspace**, and **globalWorkspace**.

Software Development Tools

Source Control Panel

Work with multiple folders and projects under Git and SVN

Interact with folders and projects under Git™ and SVN, manage modified and untracked files, and perform source control operations.



Code Analyzer

Configure Custom Naming Conventions

Configure the Code Analyzer to display a custom check when MATLAB identifiers do not adhere to specified naming conventions. For more information, see **Configure Code Analyzer**.

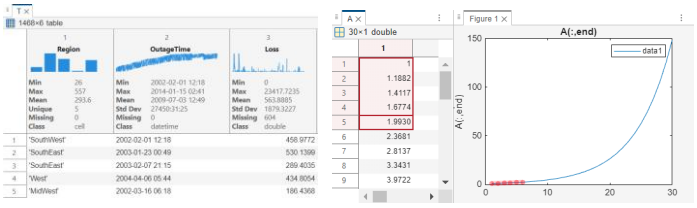
Data Analysis, Data Import & Mathematics

Variables Editor

View and analyze variable contents using improved interface

The **Variables editor** has new tools for navigating and analyzing variable contents. For example, you can:

- Create a linked plot that is synchronized with workspace variables.
- View sparklines and summary statistics for data in a table/timetable.
- Create a logical variable from selected data indices.



New Functions

allbetween, mustBeBetween, allunique, numunique

Determine if or validate that all elements are within a specific range with **allbetween** and **mustBeBetween**.

Count and verify unique values with **numunique** and **allunique** .

File Permissions

View and ajust file permissions

You can view the permissions of files, folders, and symbolic links using the **filePermissions** function. You can then get or set individual permissions by using the **getPermissions** and **setPermissions** functions, respectively.

```
perms = filePermissions("windowsExample.txt")
```

```
perms =

  AbsolutePath              Type    Readable    Writable
  ________________________    ____    ________    ________

  "C:\Work\windowsExample.txt"    File    true        true
```

Reading Compressed Data

Read data from compressed and archived files

Read data from compressed and archived files as a table, cell array, matrix, struct, timetable, dictionary, string array, or variable.

Sparse Matrix

Create and use single-precisions sparse matrices

Single-precision sparse matrices are now supported in all functions that support double-precision sparse matrices.

mathworks.com