

Visual Studio Code SAS Extension

Meeting programmers where they work

March 5th , 2024



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Overview of Visual Studio Code – and the sas extension

introduction

2

Demo

Getting started and working with the sas extension for Visual Studio Code

3

Q&A

Small Survey

- <https://forms.office.com/r/7Fpz988VRM?origin=lprLink>



What is Visual Studio Code

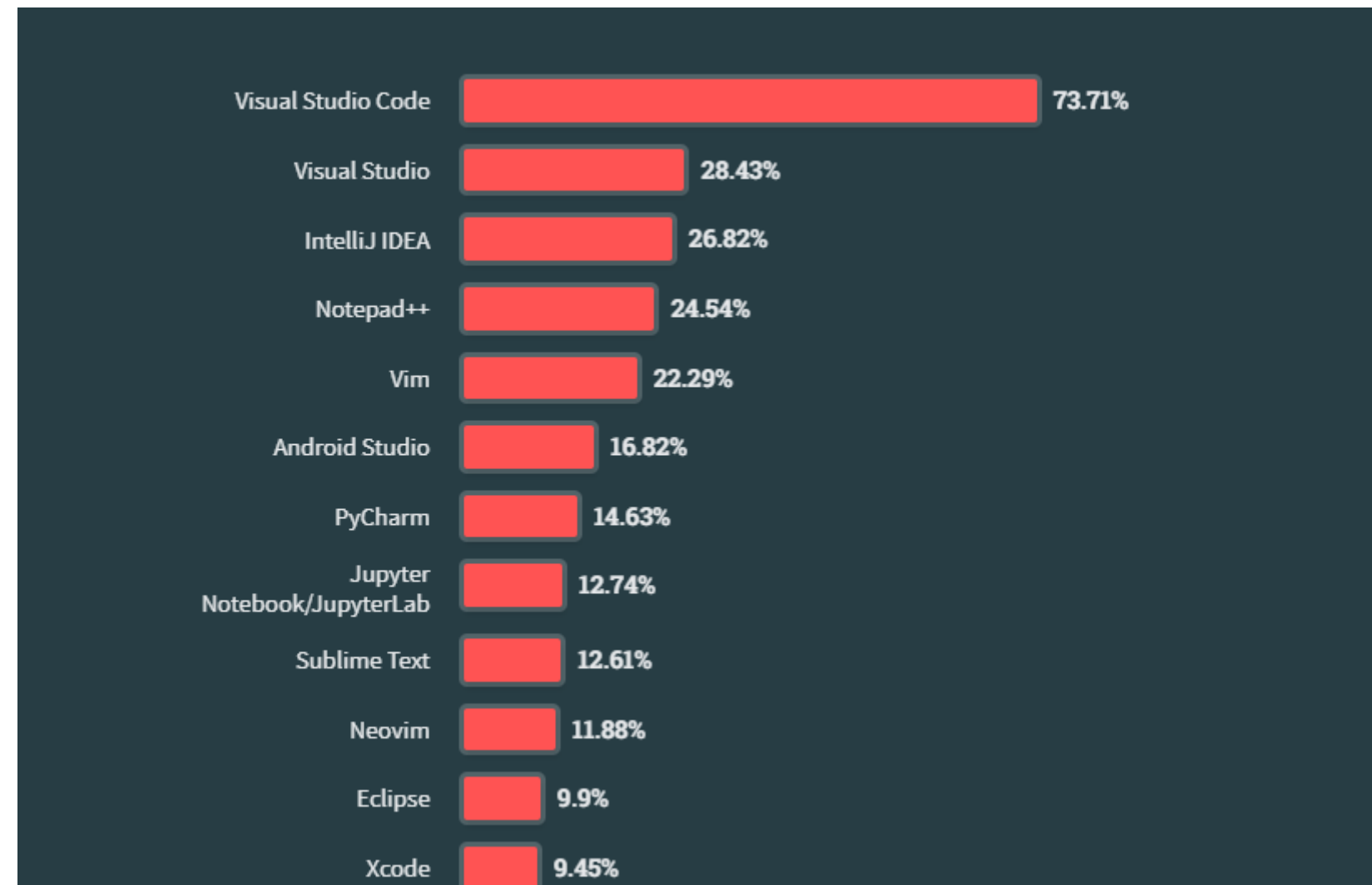
- **Popular and powerful development environment**
- **Cross-platform:** Available for Windows, macOS, and Linux.
- **Free and open source:** Freely available and allows for customization by the community.
- **Versatile Language Support:** Supports numerous programming languages and frameworks.
- **Extensibility:** Includes a wide range (9537(!) of [extensions](#). Extends the power of VS Code
- **User-friendly interface:** Intuitive and customizable interface.
- **IntelliSense:** Provides auto-code completion and helpful hints during coding.
- **Git integration:** Built-in support for the Git version control system.



Visual Studio Code the most preferred Integrated Development Environment (IDE) by developers

Integrated development environment

Visual Studio Code remains the preferred IDE across all developers, increasing its use among those learning to code compared to professional developers (78% vs. 74%).

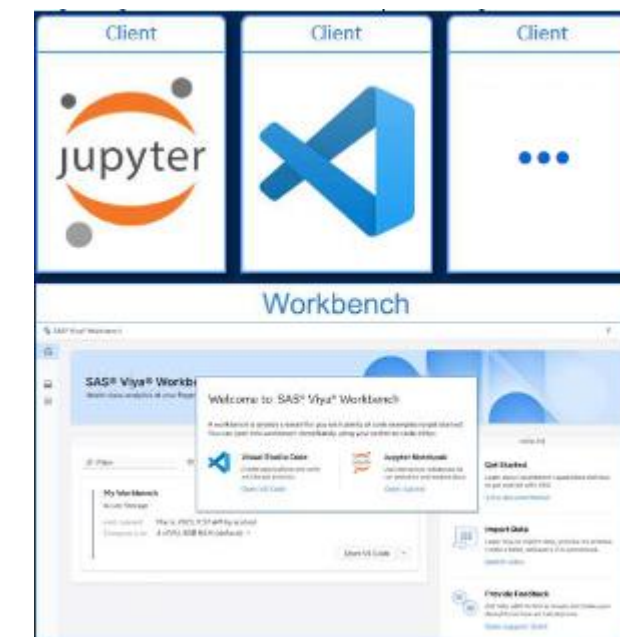
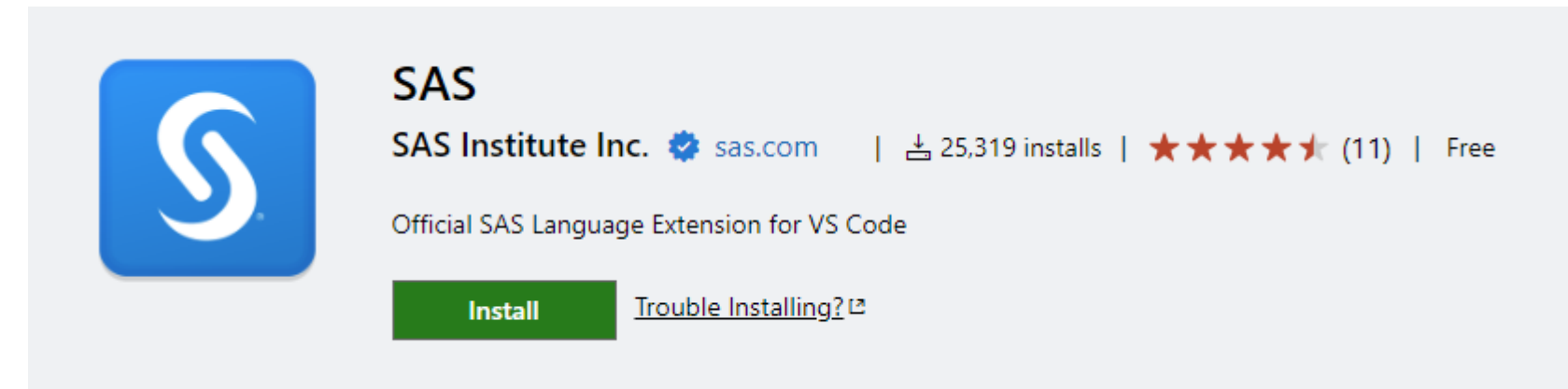


Source [2023 Stack Overflow Developer Survey](#)

And what does SAS have to do with it?

Since June 2023 - An Extension!

- Develop and run SAS code
 - Code Completion, snippets
- Developed by SAS as an Open Source Project under the Apache 2.0 license available in different UI languages
- Supports:
 - SAS Viya (3.5 or 4)
 - SAS 9.4 Local
 - SAS 9.4 Remote



Viya Workbench


5.3 17-18

[Link to register](#)

Ask the Expert Webinar Series

Coming Soon: SAS® Viya® Workbench!

March 5 • 11 a.m. ET • Cost: Complimentary



About the webinar

Join us to learn more about SAS Viya Workbench, our lightweight, standalone development environment built for the creation of high-performance models in your preferred language: SAS, Python or R.

Start experimenting by coding from scratch or streamline data modeling by pulling in existing Python, R or SAS projects – with minimal to no code modification needed.

Each workbench can be used to maintain your unique package dependencies so you can create, iterate, test and deploy faster.

In this webinar, you will:

- ✔ Learn about the on-demand computing flexibility.
- ✔ Watch SAS Viya analytics run in harmony with SAS®9 procedures.
- ✔ See the newest Python API for SAS analytics inspired by scikit-learn.
- ✔ Get a preview of the product roadmap.

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5 reasons to use VS Code for your SAS code projects

1. Full support for SAS programming language
2. Connect to any SAS environment , whether 9.4 or Viya (3.5,4)
- For students connect to SAS OnDemand for Academics
3. Manage all your code in one place
4. Built-in support for Git source control for all code projects
5. Both VS Code and the SAS extension are actively developed and getting updates regularly

[5 reasons to use VS Code for your SAS code projects](#)

Meeting programmers where they work!

Demo

Visual Studio Code SAS Extension

Summary

What have we seen?

- Introduction to Visual Studio Code and the SAS extension
- Demo
 - Install SAS Extension for VS Code
 - Choose a SAS Color theme: Light, Dark, High Contrast
 - Configuration of Connection , switch between Connections
 - SAS Libraries, explorer
 - SAS Syntax-Highlighting
 - SAS Autocompletion, keyboard shortcuts customizable
 - Code snippets, templates, minimaps
 - Notebooks – new coding interface for sas code, sql, python
 - Convert a notebook to a sas studio flow
 - Using Git source control in VS Code

More information about VS code

Why SAS Extension for VS Code

- <https://communities.sas.com/t5/SAS-Communities-Library/SAS-Extension-for-Visual-Studio-Code/ta-p/819490>
- [5 reasons to use VS Code for your SAS code projects](#)

David Weik's Webinar

- https://www.sas.com/en_us/webinars/sas-visual-studio-code-extension.html

David Weik : Introduction : <https://communities.sas.com/t5/SAS-Communities-Library/SAS-Extension-for-Visual-Studio-Code/ta-p/819490>

Getting start with Git with SAS

- [Using Git with SAS webinar](#)
- Github repository : <https://github.com/sassoftware/vscode-sas-extension>