SAS® Studio - overview and usage in clinical development

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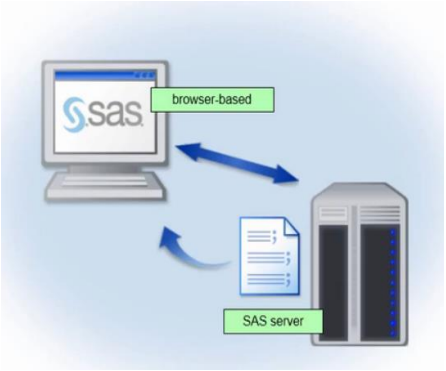
THE POWER TO KNOW.

SAS® Studio

What is SAS Studio



- SAS Studio is a SAS developer environment that runs in a Web Browser

  - Enabling developers to program SAS wherever and whenever they want.
  - Writing and running SAS code has never been faster or easier.
  - No client installation. Zero client footprint.
  - SAS Studio interface comes with BASE SAS 9.4
  - SAS Studio 3.6 on SAS 9.4 M4 is the latest Release
  - SAS Studio supports: Microsoft Internet Explorer, Apple Safari, Mozilla Firefox, and Google Chrome.

SAS® Studio

KEY FEATURES

- **Programming interface**
  - Ability to easily access programs, data files and libraries from your desktop or Mac through your web browser.
  - When a SAS program or task is submitted to run, SAS Studio connects to a SAS server to process the submitted SAS code.
  - The SAS server can be a hosted server in a cloud, local environment or on your laptop.
  - After the SAS code is processed, the results are returned to SAS Studio – in your browser.
  - Backward compatible with the Display Manager System.
  - Point-and-click interface guides you through\ analytical or data manipulation processes.
  - Auto-complete feature displays a list of SAS procedures when you begin typing a procedure name. When a procedure is selected, it then displays the parameter list and pop-up syntax.

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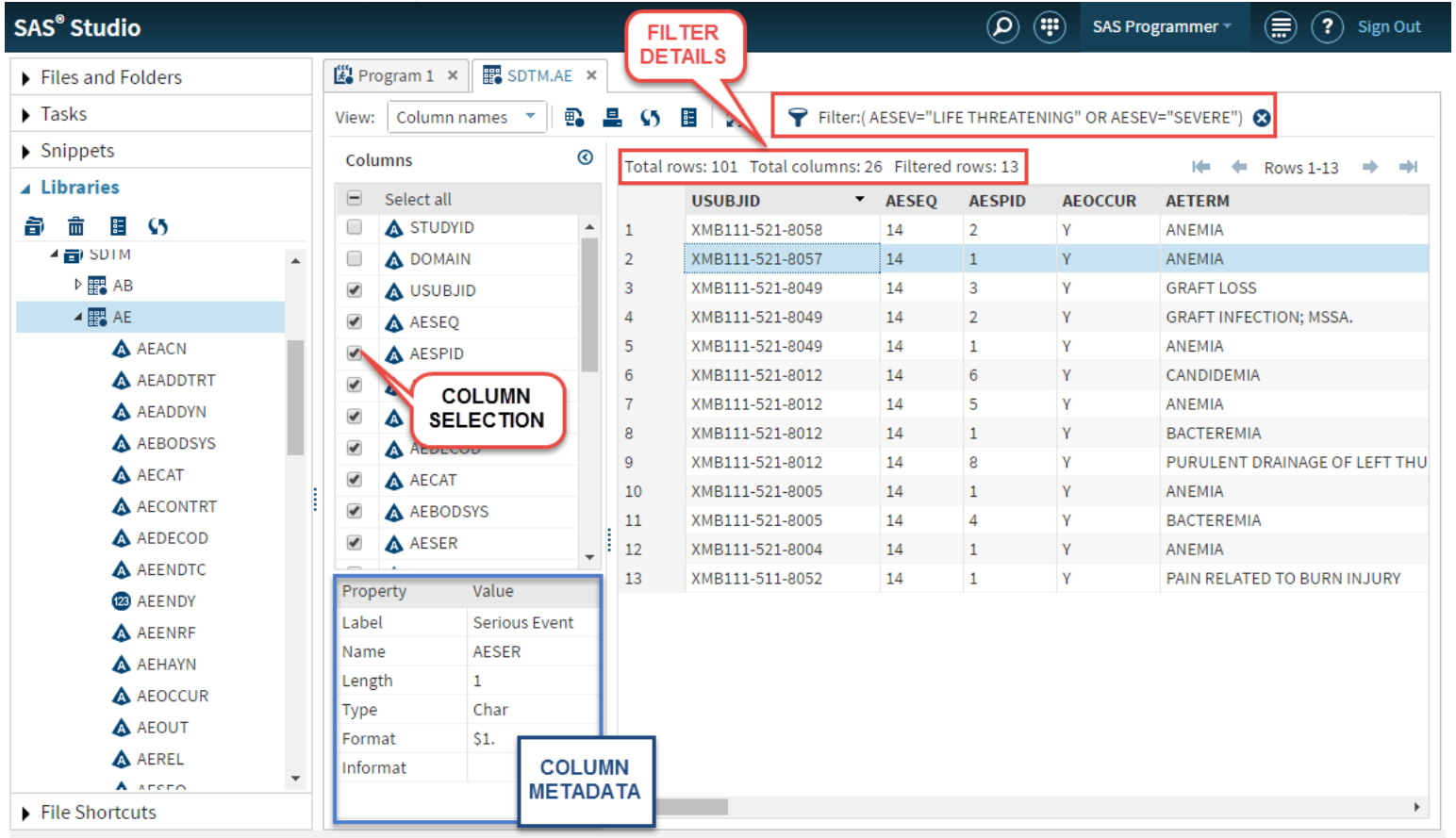
TABLE VIEWER



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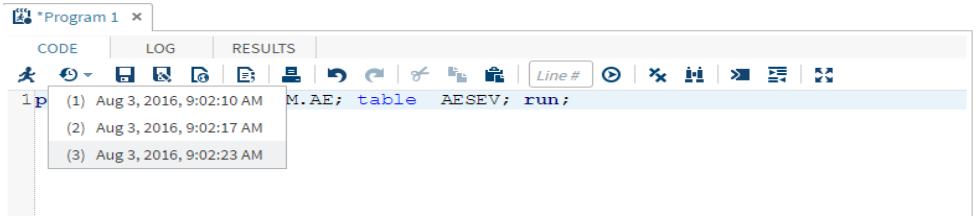
SUBMISSION HISTORY BUTTON



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KEY FEATURES

- **Table viewer**
  - Automatically generate SQL queries.
  - Ability to open a table and explore its properties, columns and subsets, sort the data and more.
  - Code is generated behind the scenes, and can be viewed by clicking on an icon in the toolbar.

- **Customizable interface**
  - The SAS Studio interface layout can be customized, and it will be remembered the next time a user logs in.
  - As you move from one physical setting to another, you can seamlessly move from one device to another and maintain the same interactive SAS Studio experience.
  - Create and add code snippets to the snippet library so you can insert frequently used code into your programs to speed development.

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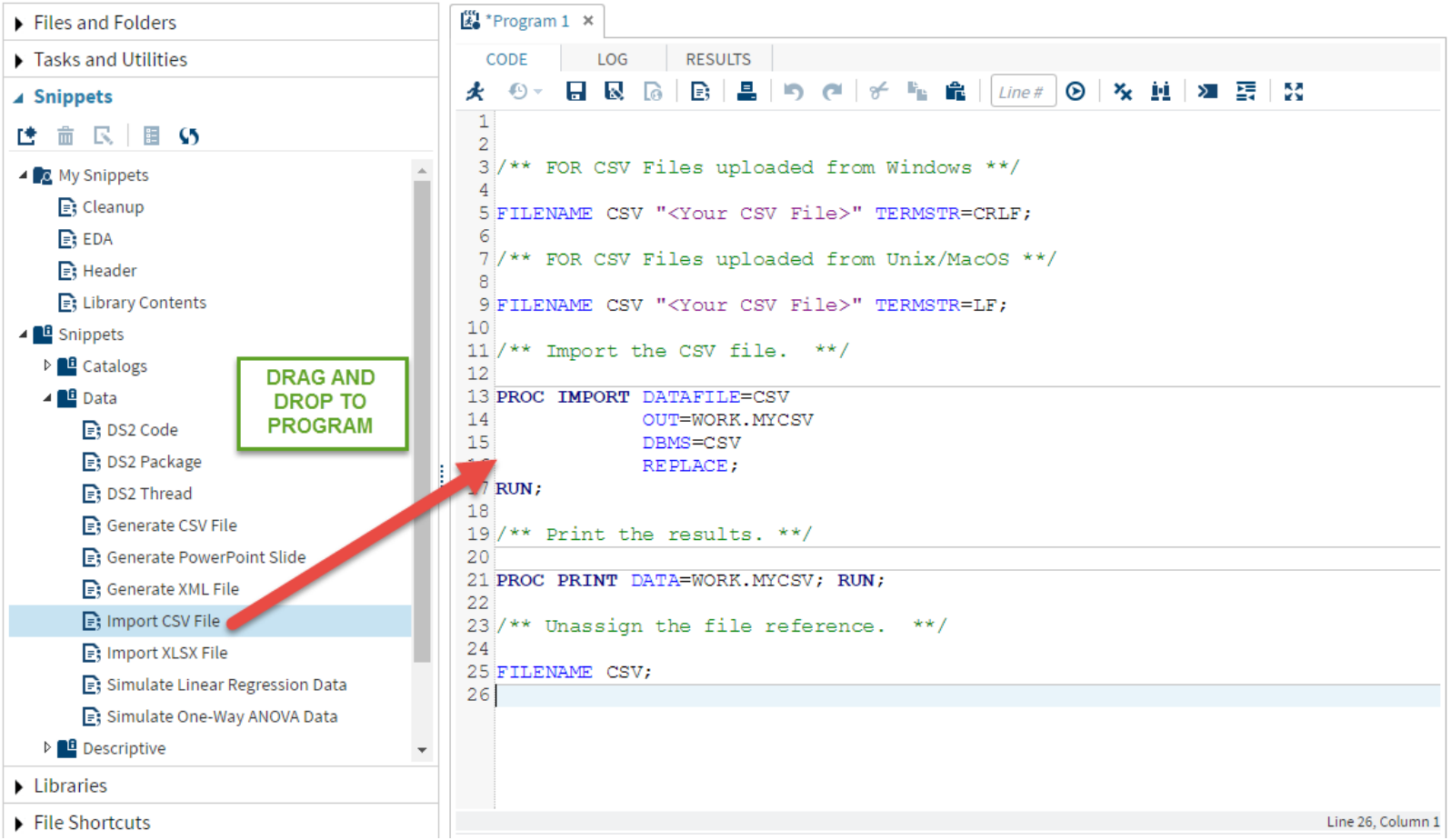
CODE SNIPPETS



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KEY FEATURES

- **Flexible task framework**
  - Framework enables both internal and external customers to create tasks.
  - Tasks can easily be created without requiring coding in Java, JavaScript or ActionScript.\
  - SAS programmers and consultants can copy delivered tasks and modify them.

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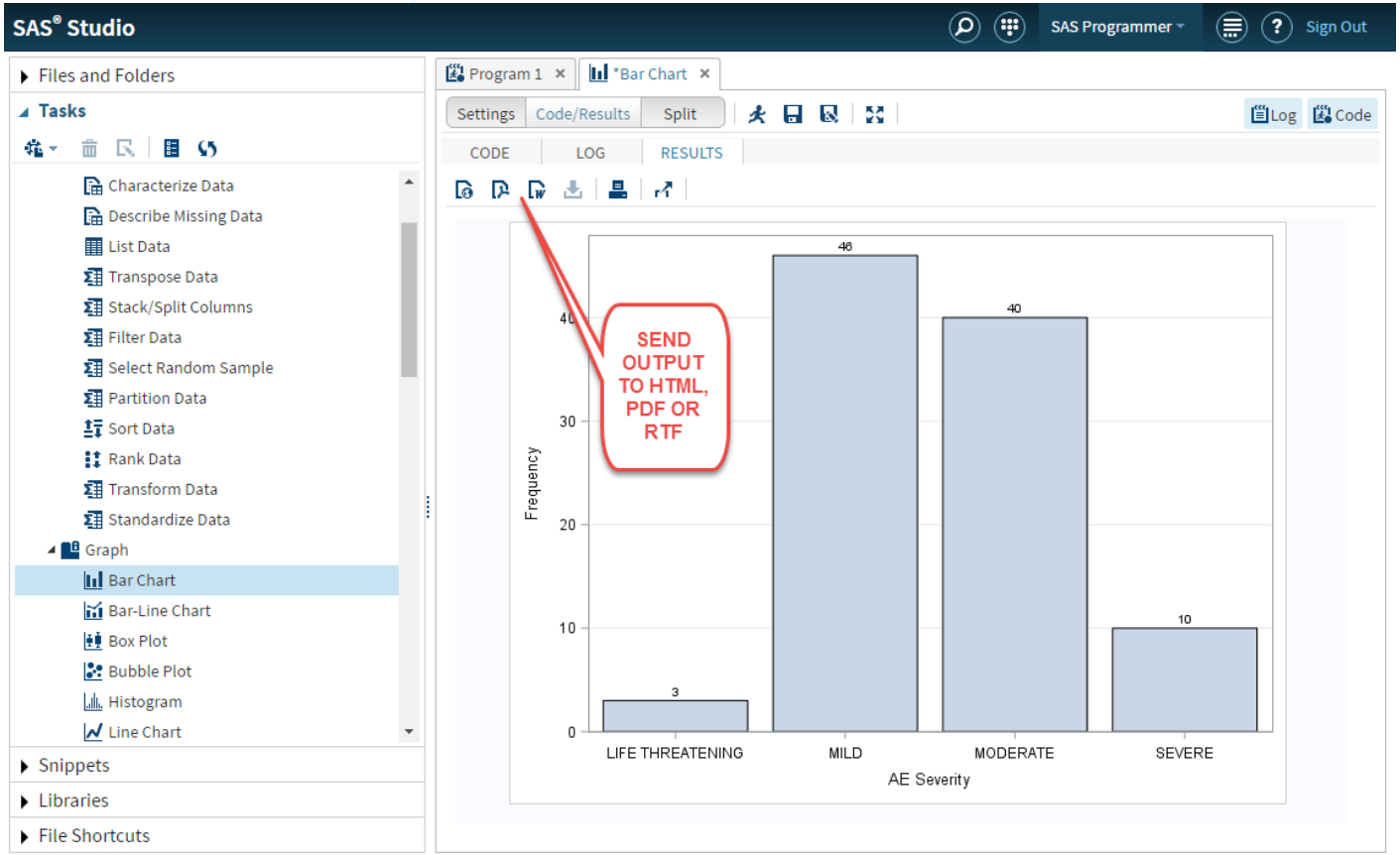
TASKS



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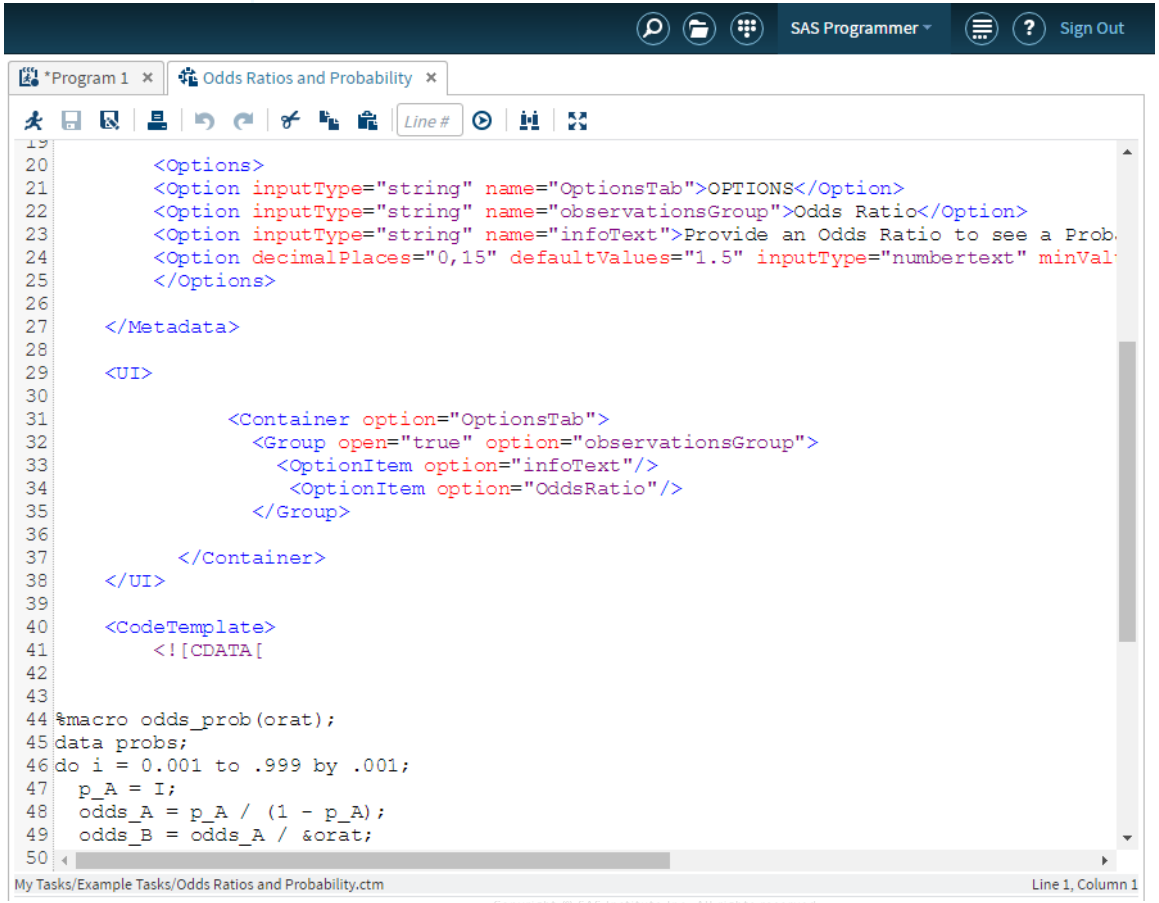
TASKS



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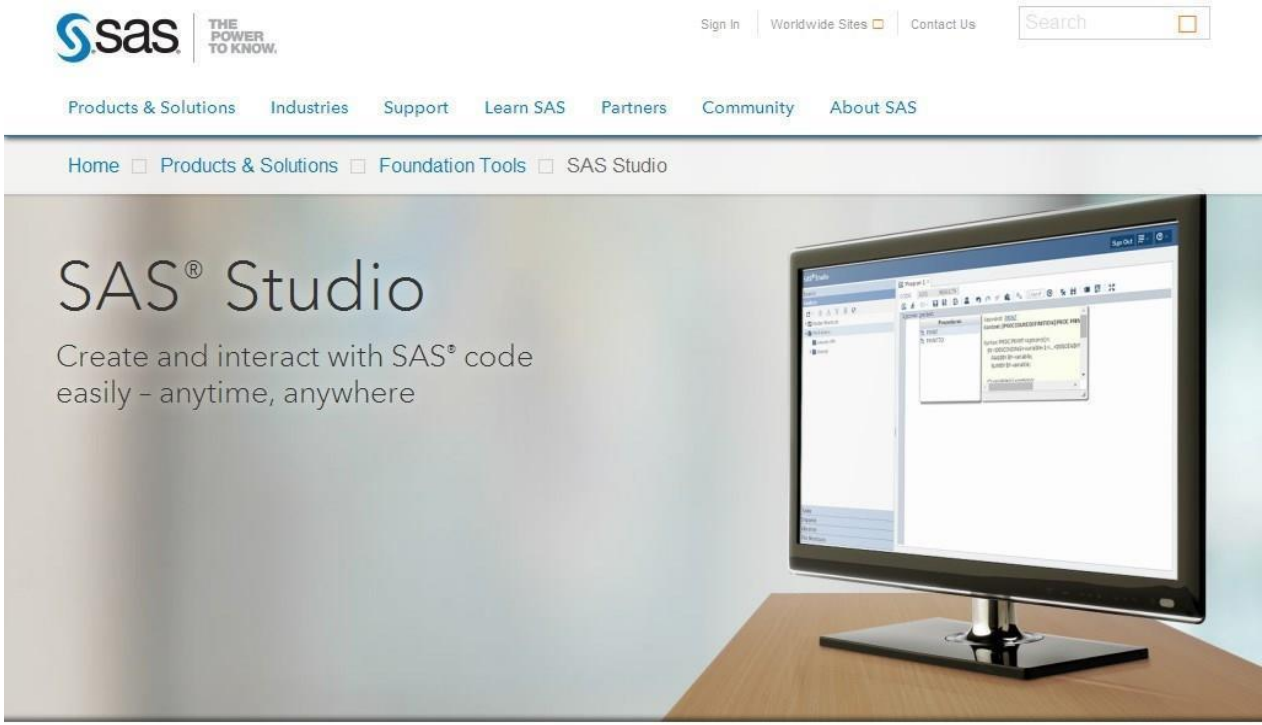
Useful Links

SAS® Studio

Product overview:

http://www.sas.com/en_us/software/foundation/studio.html



Writing and running SAS code has never been easier. This web browser interface lets you access your data and create SAS programs wherever – and whenever – you need them. Once you're familiar with SAS Studio, you can use it throughout your career. Consider it a solid investment for your future.

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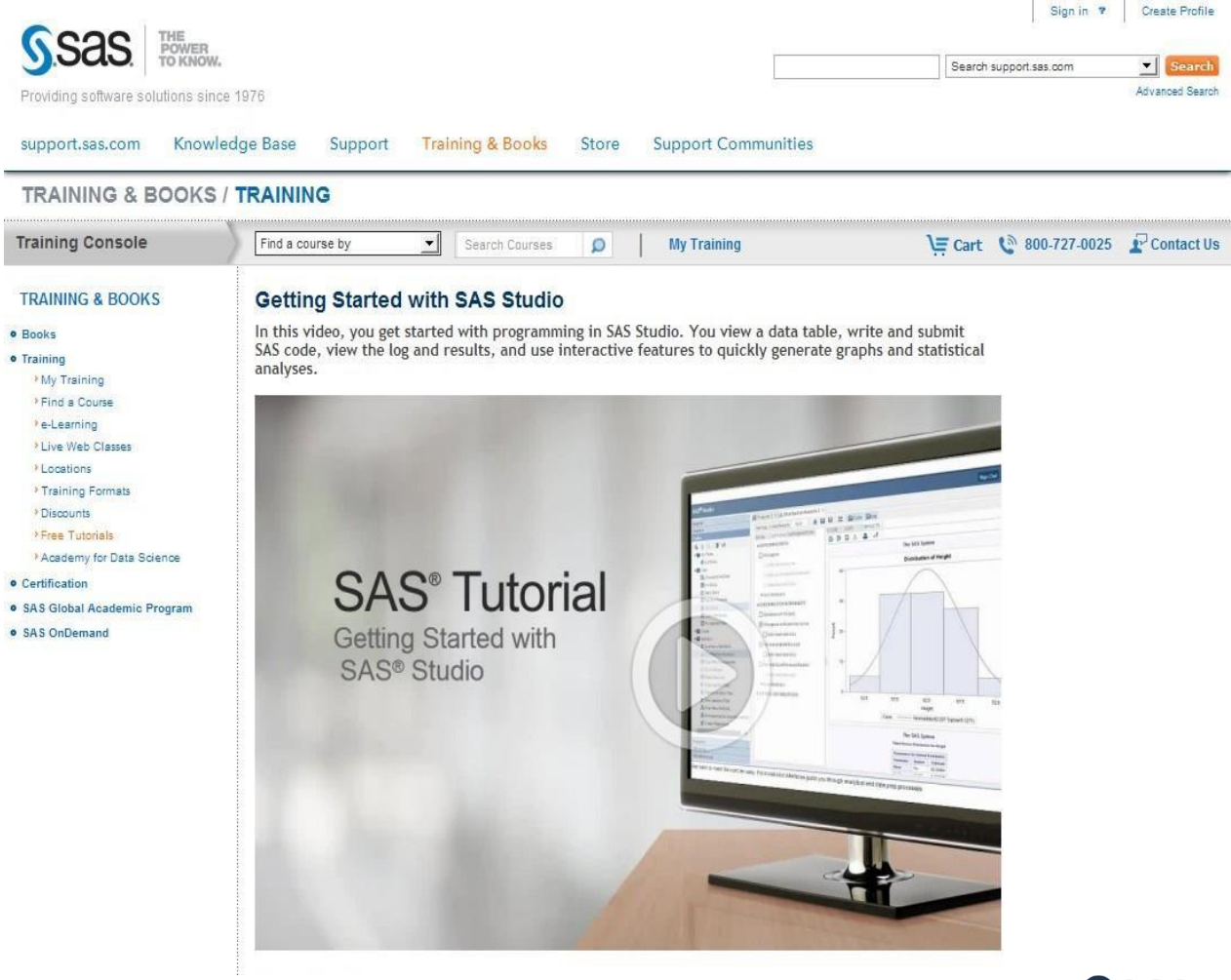
On-line tutorial:

https://support.sas.com/training/tutorial/studio/get-started.html

SAS YouTube Channel

https://www.youtube.com/playlist?list=PLVBcK_IpFVi8NP3eH1DqxSPFBw5TcPdAK



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On-line training:

https://support.sas.com/edu/schedules.html?id=3136&ctry=US&view=country

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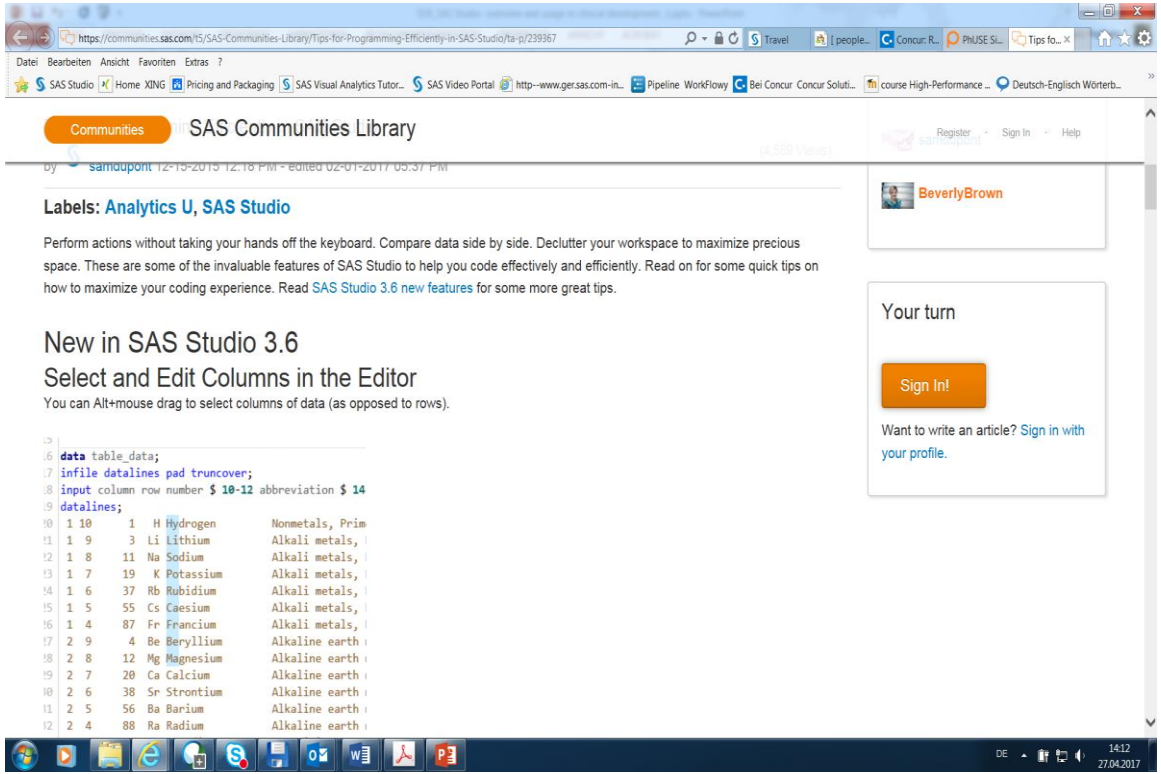
NEW IN SAS STUDIO 3.6

SAS Community Libary:

https://communities.sas.com/t5/SAS-Communities-Library/Tips-for-Programming-Efficiently-in-SAS-Studio/ta-p/239367



Questions ?