

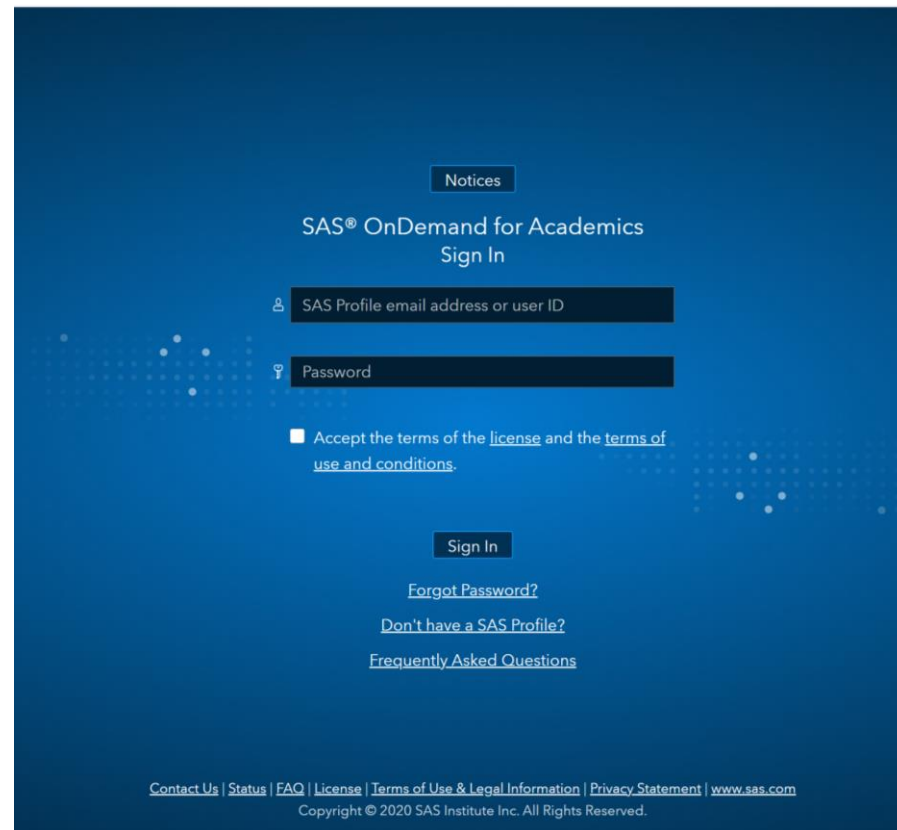
ANLT5050

Unit 2 Assignment 1 Tutorial



Access the SAS OnDemand for Academics Control Center

<https://odamid.oda.sas.com/SASODAControlCenter>



The screenshot shows the SAS OnDemand for Academics Sign In page. The background is a dark blue gradient with a subtle pattern of white dots. At the top, there is a 'Notices' button. Below it, the text 'SAS® OnDemand for Academics' and 'Sign In' are displayed. The sign-in form includes two input fields: 'SAS Profile email address or user ID' and 'Password'. Below the password field is a checkbox labeled 'Accept the terms of the [license](#) and the [terms of use and conditions](#)'. A 'Sign In' button is positioned below the checkbox. At the bottom of the form, there are three links: 'Forgot Password?', 'Don't have a SAS Profile?', and 'Frequently Asked Questions'. The footer contains a row of links: 'Contact Us', 'Status', 'FAQ', 'License', 'Terms of Use & Legal Information', 'Privacy Statement', and 'www.sas.com', followed by the copyright notice 'Copyright © 2020 SAS Institute Inc. All Rights Reserved.'



SAS OnDemand for Academics (SODA) Control Center

The screenshot displays the SAS OnDemand for Academics (SODA) Control Center dashboard. At the top, the SAS logo is on the left, and the user's location (United States) and name (Stefanie Reay) are on the right. The main heading is "SAS® OnDemand for Academics Dashboard". Below this, there are tabs for "Planned Events" and "Notices". A navigation bar includes "Applications", "Enrollments", and "Courses". The "Applications" tab is active, showing a list of SAS products:

- SAS® Studio**: Write and run SAS code with a Web-based SAS development environment. *Actions: [Clear my saved tabs.](#)*
- SAS® Enterprise Guide®**: Deliver the power of SAS from an easy-to-use, point-and-click interface. ([Download Required](#))
- SAS® Enterprise Miner™**: Reveal valuable insights with powerful data mining software. ([Configuration Steps Required](#)) *Actions: [Clear my project locks.](#)*
- SAS® Forecast Studio**: Generate large numbers of high-quality forecasts automatically. ([Configuration Steps Required](#)) *Actions: [Manage your personal environment.](#)*
- JMP® Software access to SAS® hosted servers**: Statistical discovery software. Users must have a copy of JMP® software. ([Configuration Steps Required](#))

On the right side, there is a "Reference" section with links to the [Support Site](#), [Step-by-Step Reference Guides](#), and [Frequently Asked Questions](#). Below this is a "Quotas (learn more)" section showing progress bars for "Home Directory (46.5MB/5120MB)" at 1% and "Course Directory (207.0MB/3072MB)" at 7%.

At the bottom, there is a link for "Other Ways to Access SAS® OnDemand for Academics Resources".



Data in the SAS OnDemand for Academics environment

- To upload data for use in the SAS OnDemand for Academics environment, you must upload it through SAS Studio
- Once you upload the files in SAS Studio, they will be accessible through SAS Studio, SAS Enterprise Guide, and SAS Enterprise Miner



Click on “SAS Studio” to start SAS Studio

The screenshot displays the SAS OnDemand for Academics Dashboard. At the top left is the SAS logo. The top right shows the user's location as "United States" and their name "Stefanie Reay" with a dropdown arrow. The main heading is "SAS® OnDemand for Academics Dashboard". Below this are two buttons: "Planned Events" and "Notices". A navigation bar contains three tabs: "Applications", "Enrollments", and "Courses", with "Applications" being the active tab. The main content area lists several applications, each with an icon, a title, a description, and a list of actions. The "SAS® Studio" application is highlighted with a blue background. To the right, there is a "Reference" section with links to the "Support Site", "Step-by-Step Reference Guides", and "Frequently Asked Questions". Below that is a "Quotas" section with a link to "learn more" and two progress bars: "Home Directory (46.5MB/5120MB)" at 1% and "Course Directory (207.0MB/3072MB)" at 7%. At the bottom, there is a section titled "Other Ways to Access SAS® OnDemand for Academics Resources".

SAS® Studio
Write and run SAS code with a Web-based SAS development environment.
Actions: [Clear my saved tabs.](#)

SAS® Enterprise Guide®
Deliver the power of SAS from an easy-to-use, point-and-click interface. ([Download Required](#))

SAS® Enterprise Miner™
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JMP® Software access to SAS® hosted servers
Statistical discovery software. Users must have a copy of JMP® software. ([Configuration Steps Required](#))

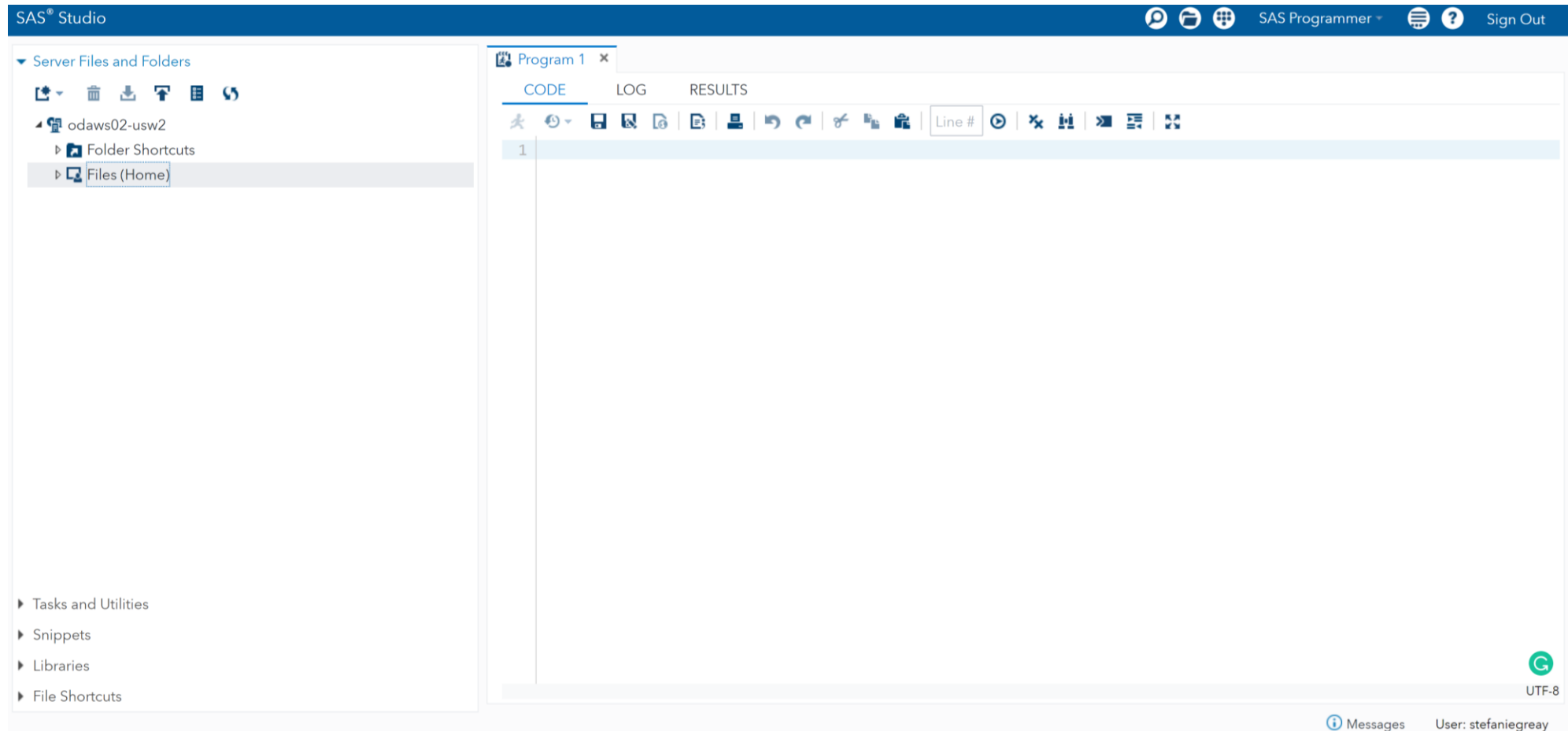
Reference
[Support Site](#)
[Step-by-Step Reference Guides](#)
[Frequently Asked Questions](#)

Quotas ([learn more](#))
Home Directory (46.5MB/5120MB)
1%
Course Directory (207.0MB/3072MB)
7%

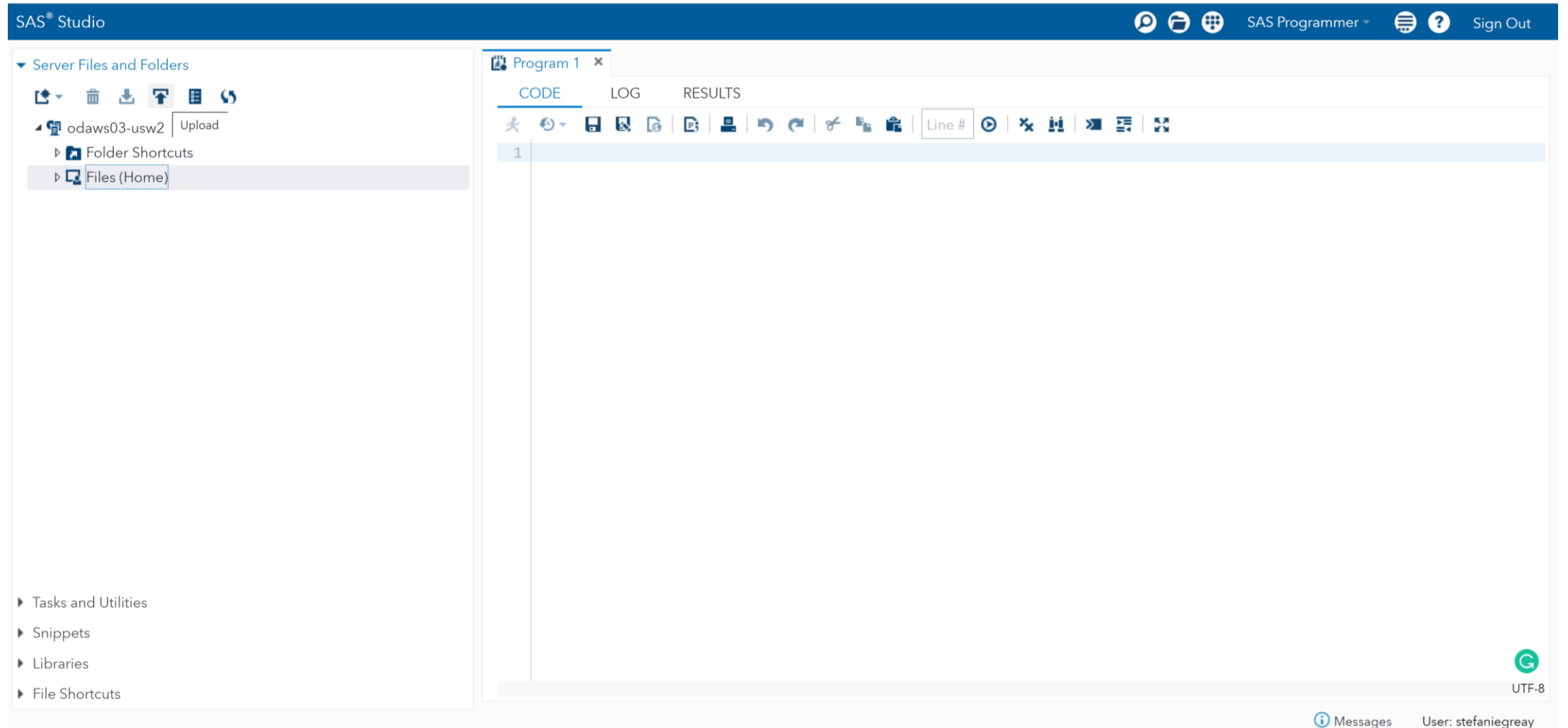
Other Ways to Access SAS® OnDemand for Academics Resources



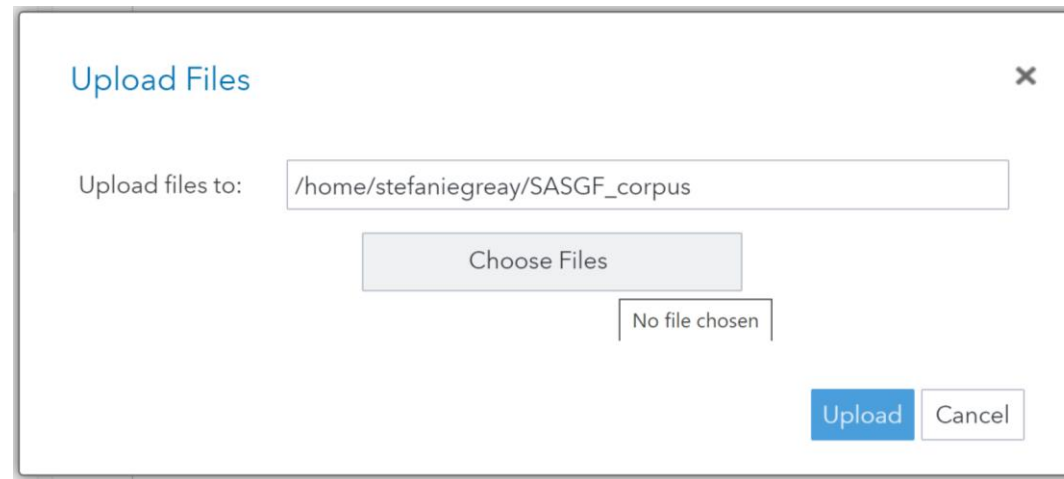
Click on “Files (Home)” to make the upload button appear in dark blue.



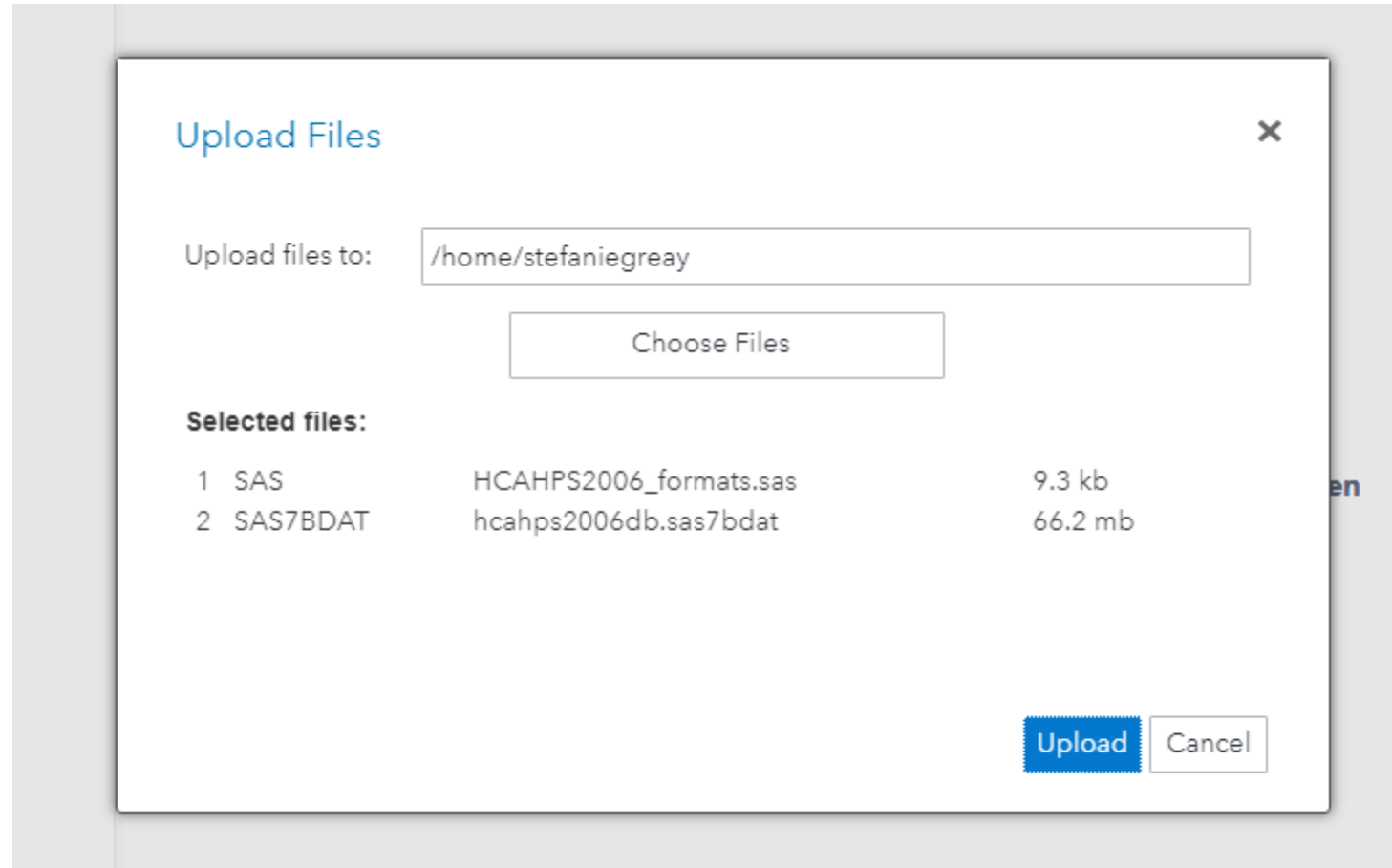
Click on “Upload”



Click “Choose Files.”



Choose this week's data file and formats program and click "Upload."

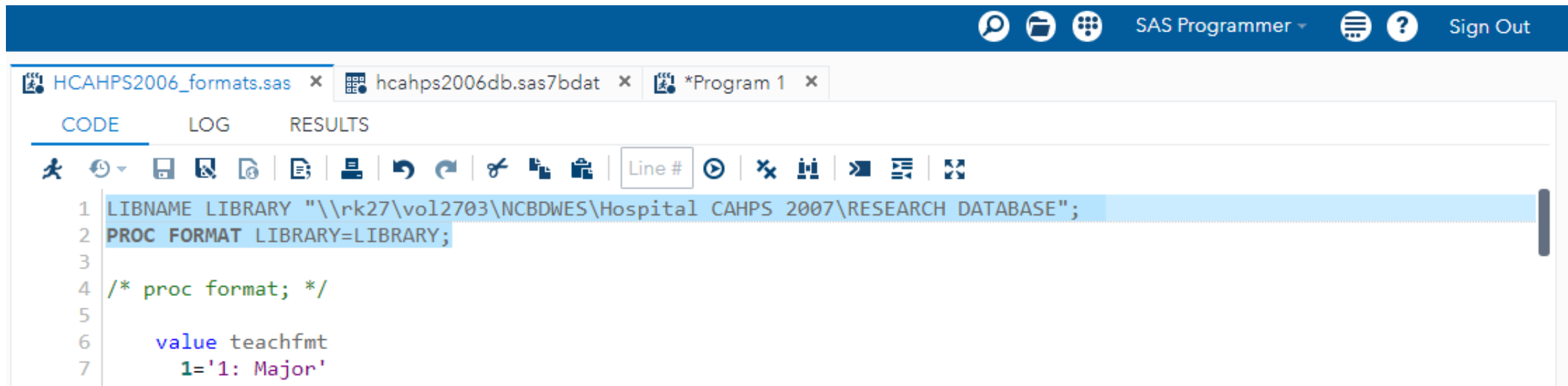


The screenshot shows a web-based 'Upload Files' dialog box. At the top, the title 'Upload Files' is in blue, followed by a close button (X). Below the title, there is a text input field labeled 'Upload files to:' containing the path '/home/stefaniegreay'. Underneath this field is a 'Choose Files' button. A section titled 'Selected files:' lists two items: '1 SAS HCAHPS2006_formats.sas 9.3 kb' and '2 SAS7BDAT hcahps2006db.sas7bdat 66.2 mb'. At the bottom right, there are two buttons: a blue 'Upload' button and a white 'Cancel' button.

Selected files:		
1	SAS HCAHPS2006_formats.sas	9.3 kb
2	SAS7BDAT hcahps2006db.sas7bdat	66.2 mb



Open the HCAHPS2006_format.sas file and change the library to your library name. (The highlighted rows need to be edited.)



The screenshot shows the SAS Studio interface with the following elements:

- Top navigation bar: SAS Programmer, Sign Out, and icons for search, home, and help.
- Tab bar: HCAHPS2006_formats.sas, hcahps2006db.sas7bdat, and *Program 1.
- CODE tab: The active tab showing the SAS program code.
- Toolbar: Icons for running, saving, and other file operations.
- Code editor: The SAS program code is displayed with line numbers 1 through 7. Lines 1 and 2 are highlighted in blue.

```
1 LIBNAME LIBRARY "\\rk27\\vol12703\\NCBDWES\\Hospital CAHPS 2007\\RESEARCH DATABASE";
2 PROC FORMAT LIBRARY=LIBRARY;
3
4 /* proc format; */
5
6 value teachfmt
7     1='1: Major'
```



Sample of edit

FROM:

```
LIBNAME LIBRARY "\\rk27\vol2703\NCBDWES\Hospital CAHPS  
2007\RESEARCH DATABASE";
```

```
PROC FORMAT LIBRARY=LIBRARY;
```

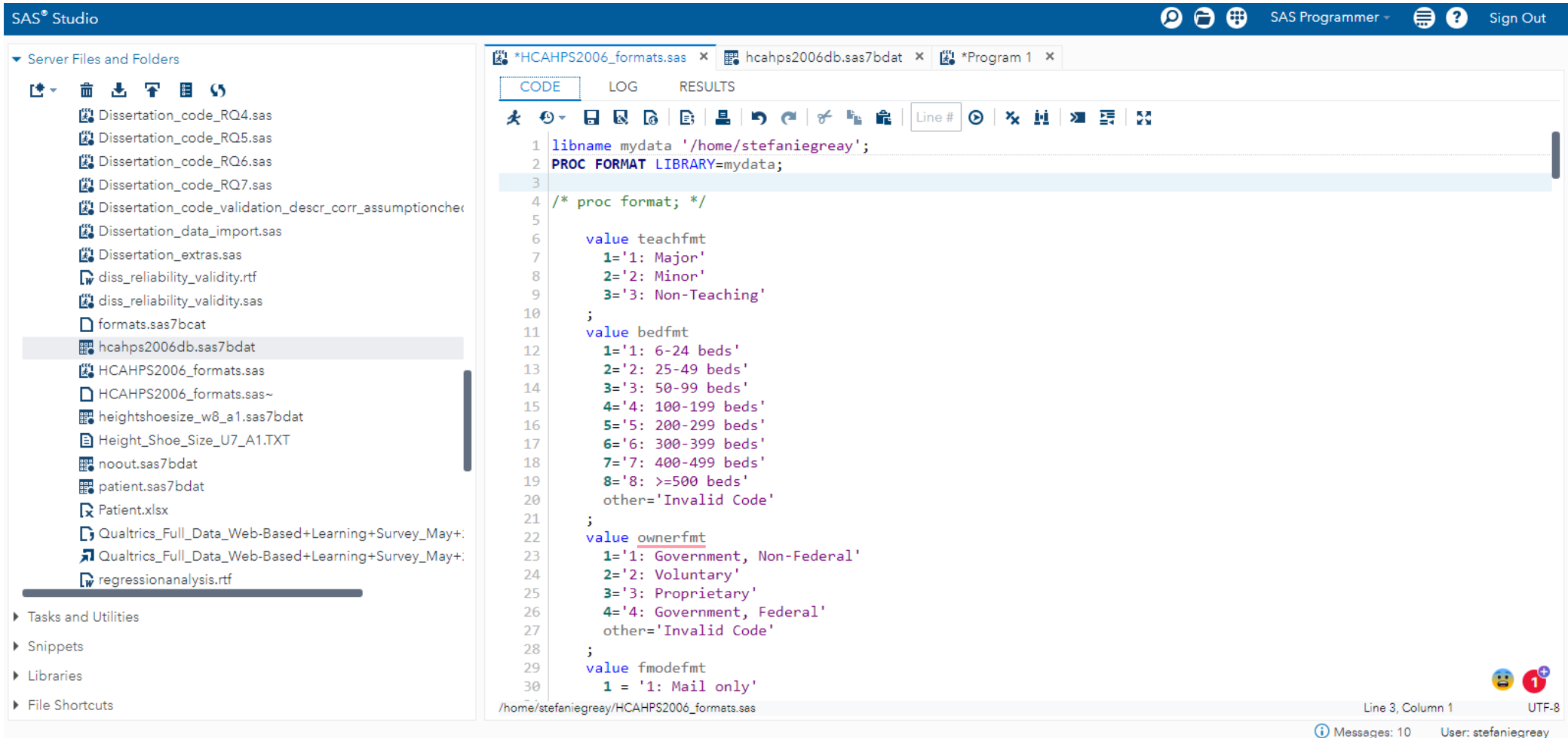
TO:

```
libname mydata '/home/stefaniegreay';
```

```
PROC FORMAT LIBRARY=mydata;
```



You can then run the HCAHPS2006_format.sas code to build the formats library



The screenshot displays the SAS Studio interface. On the left, the 'Server Files and Folders' pane shows a list of files, with 'HCAHPS2006_formats.sas' selected. The main editor pane on the right shows the code for this file. The code defines three SAS formats: 'teachfmt', 'bedfmt', and 'ownerfmt'. The 'teachfmt' format maps numeric values 1, 2, and 3 to 'Major', 'Minor', and 'Non-Teaching' respectively. The 'bedfmt' format maps numeric values 1 through 8 to specific bed count ranges, with a default 'Invalid Code' for values outside this range. The 'ownerfmt' format maps numeric values 1 through 4 to 'Government, Non-Federal', 'Voluntary', 'Proprietary', and 'Government, Federal' respectively, also with a default 'Invalid Code'.

```
1 libname mydata '/home/stefaniegreay';
2 PROC FORMAT LIBRARY=mydata;
3
4 /* proc format; */
5
6 value teachfmt
7     1='1: Major'
8     2='2: Minor'
9     3='3: Non-Teaching'
10 ;
11 value bedfmt
12     1='1: 6-24 beds'
13     2='2: 25-49 beds'
14     3='3: 50-99 beds'
15     4='4: 100-199 beds'
16     5='5: 200-299 beds'
17     6='6: 300-399 beds'
18     7='7: 400-499 beds'
19     8='8: >=500 beds'
20     other='Invalid Code'
21 ;
22 value ownerfmt
23     1='1: Government, Non-Federal'
24     2='2: Voluntary'
25     3='3: Proprietary'
26     4='4: Government, Federal'
27     other='Invalid Code'
28 ;
29 value fmodefmt
30     1 = '1: Mail only'
```



NOTE

The previous two steps have been included in the sample code, so they are not necessary to run separately.



For this assignment, use of SAS Studio will be easiest.

- Sample code is provided.
 - The sample code creates the format libraries, outputs a proc contents prior to applying any formats, uses a data step to apply the formats, prints 10 observations (to check formats were applied correctly), and outputs the results to a comprehensive proc univariate (of all numeric variables) to a PDF file.
- To use the sample code, after uploading the dataset, you must:
 - Change the library reference to your files(home) location
 - Change the output file location for the pdf file
- This assignment only requires you to use the output from 3 of the variables.

