

Accessing & Exploring Interactive notebooks for creating Coast Salish basket motifs


Document Content

This document contains a detailed step-by-step description on accessing and using our series of interactive notebooks exploring Coast Salish basket motifs. The document is divided into two main sections: Setup and Regular Access. The steps described in the Setup section need to be completed once per user account.

Setup

1. Log in.

Go to <https://hub.callysto.ca/> The main page looks like the image below.

Press the log in button  .



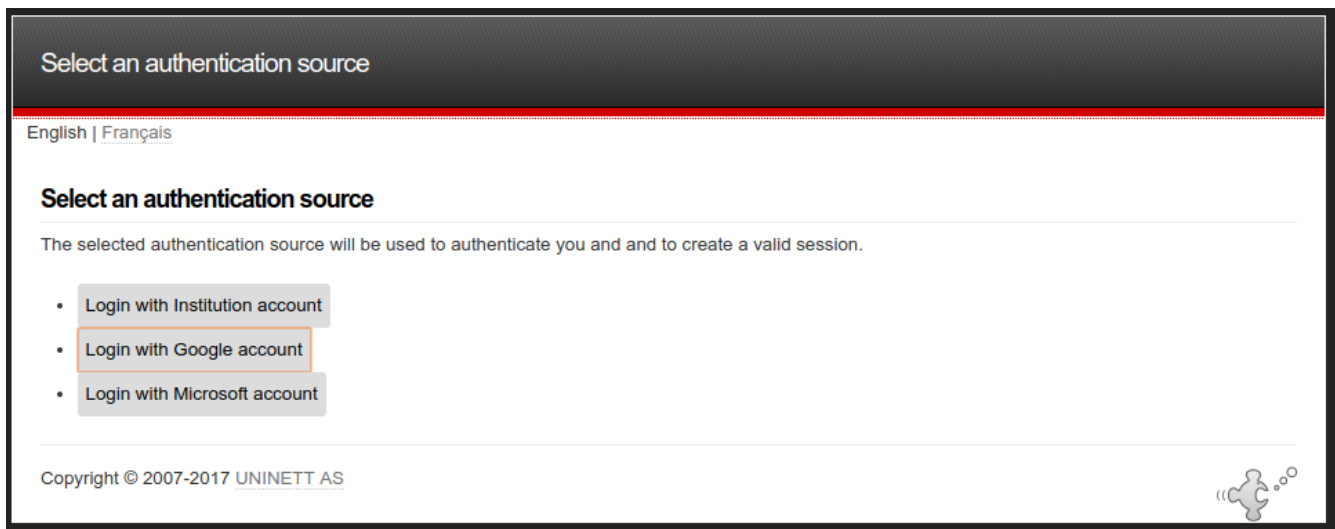
Sign in with your account



[Terms and conditions](#) / [Privacy Policy](#)

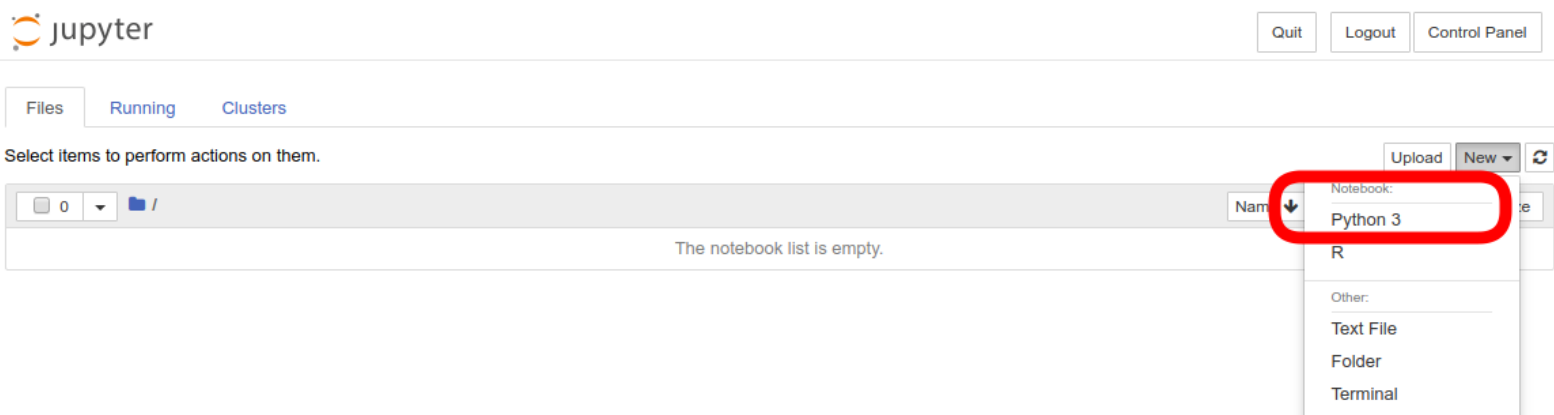
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2. Select your preferred log in account: you can choose between Gmail and Microsoft Outlook in the event you are not associated with the institutions listed. Enter your login information.



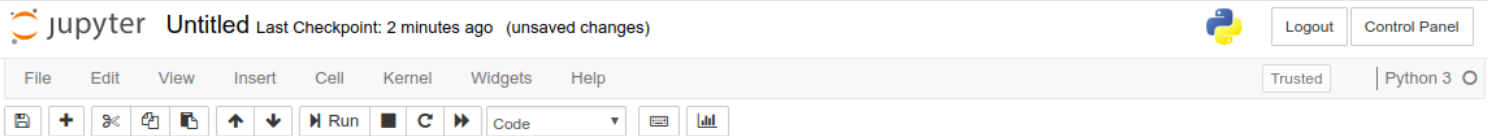
The screenshot shows a web interface for selecting an authentication source. At the top, there's a dark header with the text "Select an authentication source". Below it, a language selector shows "English | Français". The main section is titled "Select an authentication source" and contains a message: "The selected authentication source will be used to authenticate you and to create a valid session." Below this message is a list of three options: "Login with Institution account", "Login with Google account" (which is highlighted with a red box), and "Login with Microsoft account". At the bottom left, there is a copyright notice: "Copyright © 2007-2017 UNINETT AS". At the bottom right, there is a small icon of a person with a thought bubble.

3. Once you have logged in, we will need to load the notebook content. Press the New button and select the Python 3 option. A new window will open.



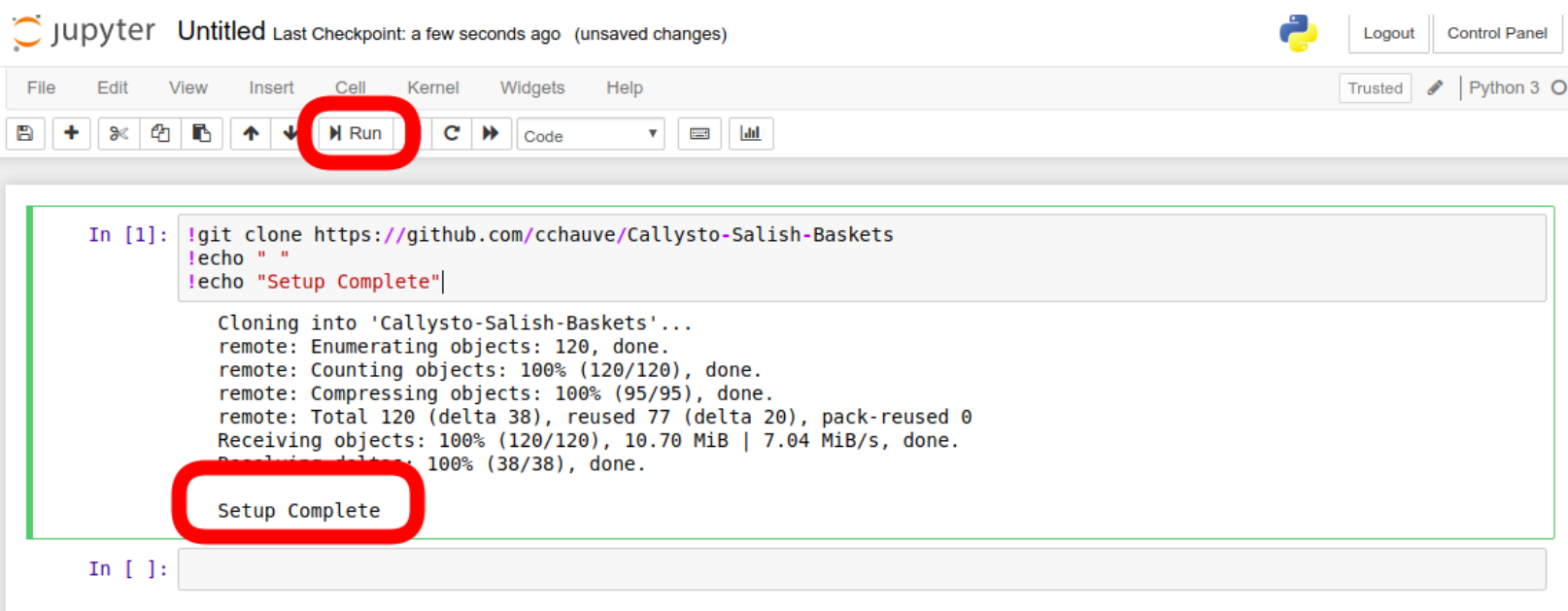
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4. On the new Window you will see a Jupyter notebook.



5. Copy and paste the following text on the cell. Press the Run button.

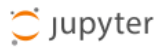
```
!git clone https://github.com/cchauve/Callysto-Salish-Baskets
!echo " "
!echo "Setup Complete"
```



Once the setup has been completed, the message "Setup Completed" will appear at the end.

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We are now ready to access and explore the notebooks. You can either navigate to each notebook within the directories found under Callysto-Salish-Baskets/notebooks

[Quit](#)[Logout](#)[Control Panel](#)[Files](#)[Running](#)[Clusters](#)

Select items to perform actions on them.

[Upload](#)[New](#)

/ Callysto-Salish-Baskets / notebooks			Name	Last Modified	File size
<input type="checkbox"/>	0	..		seconds ago	
<input type="checkbox"/>		images		4 minutes ago	
<input type="checkbox"/>		patterns		4 minutes ago	
<input type="checkbox"/>		python_scripts		4 minutes ago	
<input type="checkbox"/>		Atomic Motifs.ipynb		4 minutes ago	94.4 kB
<input type="checkbox"/>		Combining and Editing Motifs to create 3D Basket Models.ipynb		4 minutes ago	39.3 kB
<input type="checkbox"/>		Combining and Editing Motifs.ipynb	Running	4 minutes ago	20 kB

Alternatively, you may access the notebooks via the following links:

- **Atomic Motifs Notebook:**

<https://hub.callysto.ca/jupyter/user/user-redirect/notebooks/Callysto-Salish-Baskets/notebooks/Atomic%20Motifs.ipynb>

- **Combining and Editing Motifs**

<https://hub.callysto.ca/jupyter/user/user-redirect/notebooks/Callysto-Salish-Baskets/notebooks/Combining%20and%20Editing%20Motifs.ipynb>

- **Combining and Editing Motifs Notebook for 3D Preview**

<https://hub.callysto.ca/jupyter/user/user-redirect/notebooks/Callysto-Salish-Baskets/notebooks/Combining%20and%20Editing%20Motifs%20to%20create%203D%20Basket%20Models.ipynb>

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Regular Access

The setup needs to be done once only. We are now ready to explore our notebooks. To access the notebooks after setting up, go to <https://hub.callysto.ca/> and log in using the credentials you used for setup.

Atomic Motifs Notebook

In this notebook we explore basic traditional Tla'amin basket weaving patterns. We define what we call "atomic motifs", the smallest unit a traditional pattern can be broken down into, so that when we apply reflections and rotations we can re-create the original pattern.

To explore this notebook, go to the link provided below and press the Restart & Run All under the Kernel menu. When prompted, press the red button.

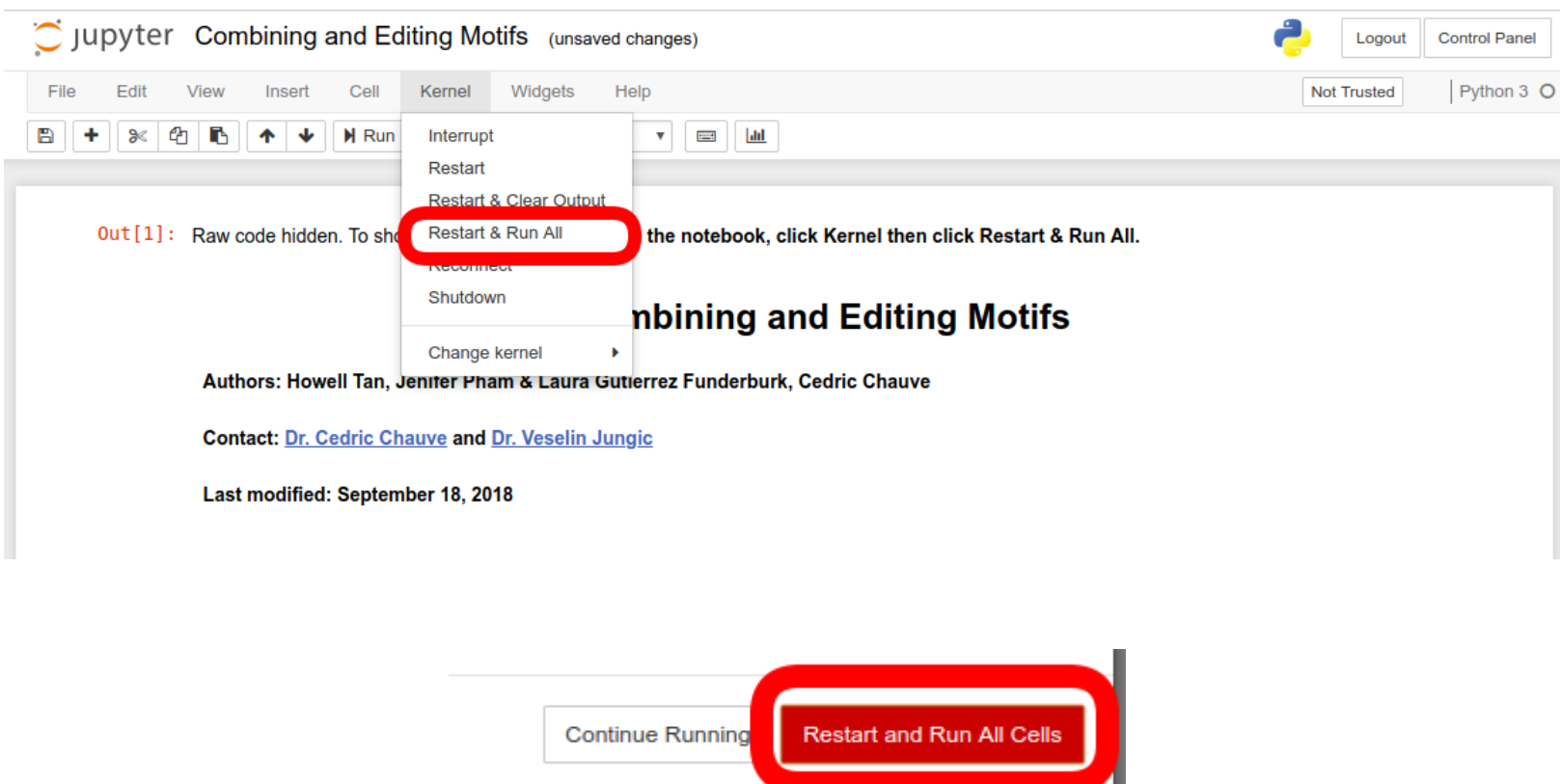
The screenshot shows the Jupyter Notebook interface for a notebook titled "Atomic Motifs". The top bar includes the Jupyter logo, the notebook title, and a status message "Last Checkpoint: a minute ago (unsaved changes)". On the right, there are buttons for "Logout" and "Control Panel", and a "Trusted" status indicator next to "Python 3". The main menu bar includes "File", "Edit", "View", "Insert", "Cell", "Kernel", "Widgets", and "Help". Below the menu bar is a toolbar with icons for file operations and a "Run" button. The "Kernel" menu is open, showing options: "Interrupt", "Restart", "Restart & Run All" (highlighted with a red circle), "Reconnect", "Shutdown", and "Change kernel". The notebook content area shows a code cell with the output "Out[1]: Raw code hidden. To show the code, click Kernel then click Restart & Run All." Below the code cell, the notebook title "Atomic Motifs" is displayed, followed by the authors "Authors: Howell Tan, Jenifer Pham & Laura Gutierrez Funderburk, Cedric Chauve", contact information "Contact: [Dr. Cedric Chauve](#) and [Dr. Veselin Jungic](#)", and the last modified date "Last modified: September 18, 2018". At the bottom of the notebook, there is a "Continue Running" button and a "Restart and Run All Cells" button (highlighted with a red circle).

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Combining and Editing Motifs Notebook

In this notebook we combine and modify motifs either by combining one or more basic motifs, by modifying basic motifs or by creating a new basic motif.

To explore this notebook, go to the link provided below and press the Restart & Run All under the Kernel menu. When prompted, press the red button.



The screenshot displays the Jupyter Notebook interface for the notebook titled "Combining and Editing Motifs". The top bar shows the Jupyter logo, the notebook title, and a status indicator "(unsaved changes)". The right side of the top bar includes a "Logout" button, a "Control Panel" button, and a "Not Trusted" warning. The main menu bar includes "File", "Edit", "View", "Insert", "Cell", "Kernel", "Widgets", and "Help". The "Kernel" menu is open, showing options: "Interrupt", "Restart", "Restart & Clear Output", "Restart & Run All" (highlighted with a red circle), "Reconnect", "Shutdown", and "Change kernel". The notebook content area shows a code cell with the output "Out[1]: Raw code hidden. To show the notebook, click Kernel then click Restart & Run All." Below the code cell, the notebook title "Combining and Editing Motifs" is displayed, followed by the authors "Authors: Howell Tan, Jenifer Pham & Laura Gutierrez Funderburk, Cedric Chauve", the contact information "Contact: [Dr. Cedric Chauve](#) and [Dr. Veselin Jungic](#)", and the last modified date "Last modified: September 18, 2018". At the bottom of the notebook, a modal dialog is shown with two buttons: "Continue Running" and "Restart and Run All Cells" (highlighted with a red circle).

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Combining and Editing Motifs to create 3D Basket Models Notebook

Similar to the previous notebook, in this notebook we combine and modify motifs either by combining one or more basic motifs, by modifying basic motifs or by creating a new basic motif. We take this one step above and we preview 3D models of a basket with the motifs of our choice.

To explore this notebook, go to the link provided below and press the Restart & Run All under the Kernel menu. When prompted, press the red button.

