



SAGE3
Collaborate Smarter

QUICK START GUIDE

DOWNLOAD AND INSTALL SAGE3 FROM
[SAGE3.SAGECOMMONS.ORG](https://sage3.sagecommons.org)

THIS GUIDE IS FOR BETA VERSION *1.0.0-BETA.12* (2023)

AFTER INSTALLING SAGE3, LAUNCH IT, AND
SELECT A SERVER FROM THE BOOKMARKS.

NEW

SAGE3

Collaborate Smarter

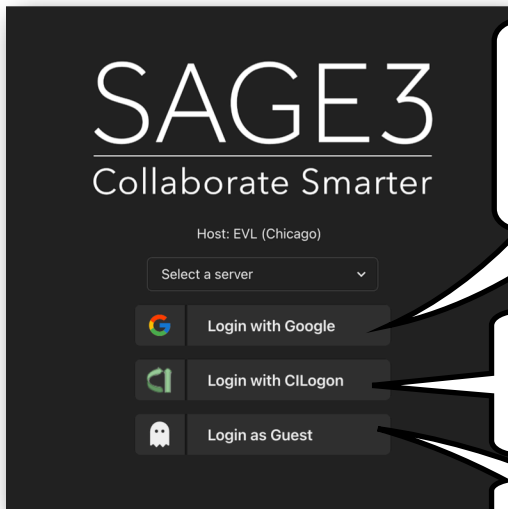
Bookmarks
Chicago
Hawaii
Development
Hawaii Dev

Enter

CHOOSE ONE
CLOSEST TO YOU
OR CHOOSE ONE
YOUR COLLEAGUES
MAY ALREADY BE
USING

1

LOGIN TO SAGE3.



LOGIN WITH YOUR
INSTITUTIONAL
GOOGLE ID.
IF IT DOES NOT
WORK USE YOUR
PERSONAL
GOOGLE ID

ALTERNATIVELY IF
YOU ARE A
RESEARCH
INSTITUTE, TRY CI
LOGON

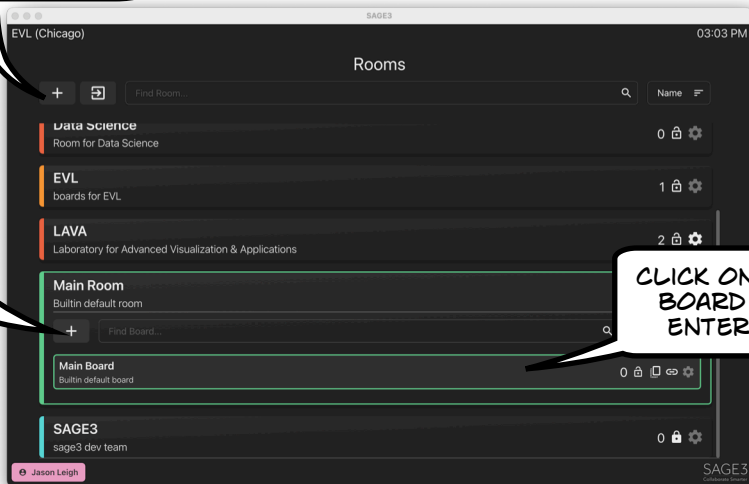
GUESTS CANNOT
CREATE ROOMS OR
BOARDS BUT CAN
EDIT CONTENT

AFTER YOU LOGIN, ENTER A ROOM AND A BOARD.

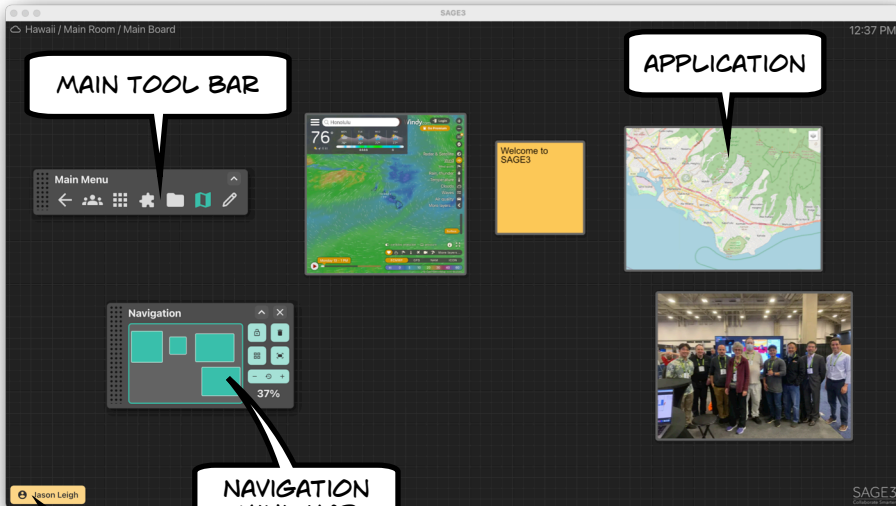
IF YOU LOGGED IN WITH AN ID, YOU CAN MAKE YOUR OWN ROOM

CLICK "+" TO MAKE YOUR OWN BOARD WITHIN THE ROOM

CLICK ON ANY BOARD TO ENTER IT



INSIDE A BOARD...



MAIN TOOL BAR

APPLICATION

NAVIGATION MINI-MAP

ACCESS ACCOUNT INFO

NAVIGATING THE BOARD...

CLICK ON
BOXES TO
JUMP & ZOOM
DIRECTLY TO
INDIVIDUAL
APPLICATIONS

The screenshot shows a SAGE3 dashboard interface. At the top left, the breadcrumb navigation reads 'Hawaii / Main Room / Main Board'. The central focus is a weather application window for Honolulu, displaying a current temperature of 76°F and a 4-day forecast. The application window includes a search bar, a 'Windy.com' logo, and a 'Go Premium' button. A navigation pane on the left of the weather window lists various data layers: Radar & Satellite, Wind, Wind gusts, Rain, thunder, Temperature, Clouds, Waves, Air quality, and More layers... A 'Surface' button is located at the bottom right of the weather window. A 'Webview' window at the bottom shows the URL 'https://www.windy.com/?21.289...'. On the right side of the dashboard, a yellow box contains the text 'Welcome to SAGE3'. The top right corner shows the time '12:41 PM' and the SAGE3 logo.

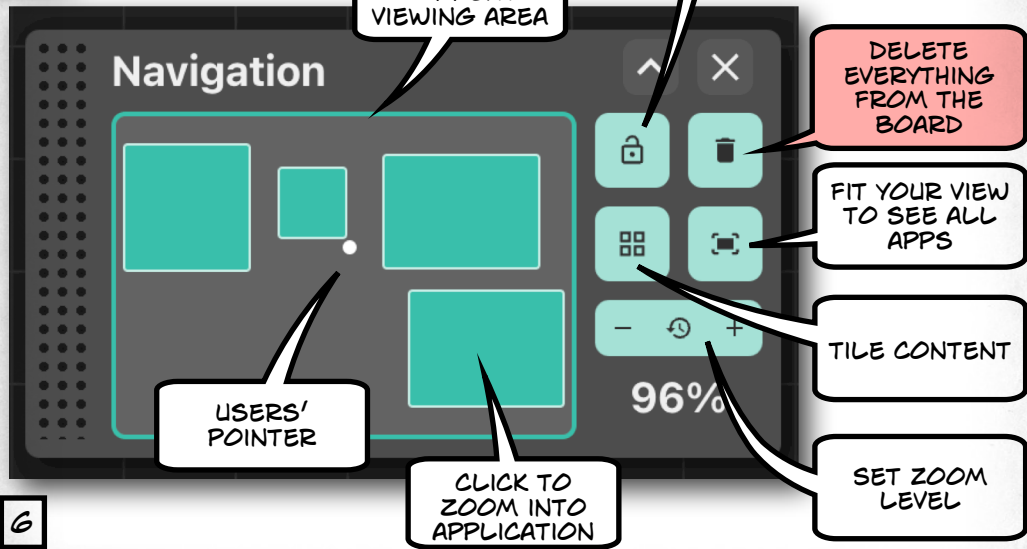
NEW

YOU CAN ALSO CLICK ON A WINDOW YOU WANT TO ZOOM INTO, AND PRESS THE "Z" KEY.

5

MORE ON THE MINI-MAP...

NEW



YOUR
CURRENT
VIEWING AREA

LOCK VIEW

DELETE
EVERYTHING
FROM THE
BOARD

FIT YOUR VIEW
TO SEE ALL
APPS

TILE CONTENT

SET ZOOM
LEVEL

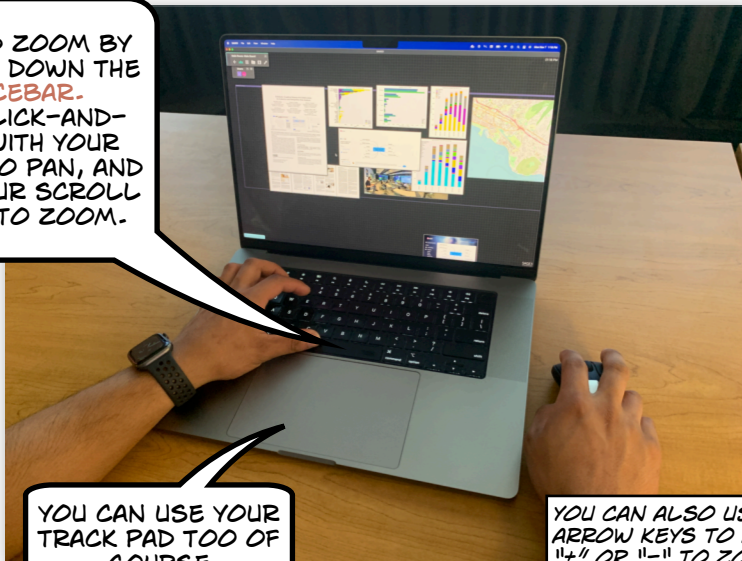
USERS'
POINTER

CLICK TO
ZOOM INTO
APPLICATION

6

FINE TUNE YOUR NAVIGATION...

PAN AND ZOOM BY
HOLDING DOWN THE
SPACEBAR.
THEN CLICK-AND-
DRAG WITH YOUR
MOUSE TO PAN, AND
TURN YOUR SCROLL
WHEEL TO ZOOM.



YOU CAN USE YOUR
TRACK PAD TOO OF
COURSE

YOU CAN ALSO USE THE
ARROW KEYS TO PAN AND
"+" OR "-" TO ZOOM

YOU CAN UPLOAD PDF, JPG, JPEG, PNG, SVG, WEBP, TXT, MD, MARKDOWN, MP4, M4V, PY, GEOJSON FILES & URLS INTO SAGE3...

The image shows a screenshot of the SAGE3 dashboard. The dashboard has a dark theme and includes several widgets: a weather widget for 'findy' showing 76°F, a map, a 'Welcome to SAGE3' message, a 'Main Menu' with icons for home, users, settings, and edit, and a 'Navigation' panel with a 41% progress indicator. A 'Downloads' window is open in the foreground, showing a grid of image files. A red dashed arrow points from a file in the Downloads window to a blank area on the dashboard. A speech bubble points to the Downloads window.

Hawaii / Main Room / Main Board

SAGE3

01:03 PM

76°

findy

Welcome to SAGE3

Main Menu

Navigation

41%

Jason Leigh

Downloads

DSC_6610.JPG 4,000 x 4,000

DSC_6611.JPG 4,000 x 4,000

DSC_6684.JPG 6,000 x 4,000

DSC_6695.JPG 6,000 x 4,000

DSC_6708.JPG 6,000 x 4,000

DOCX

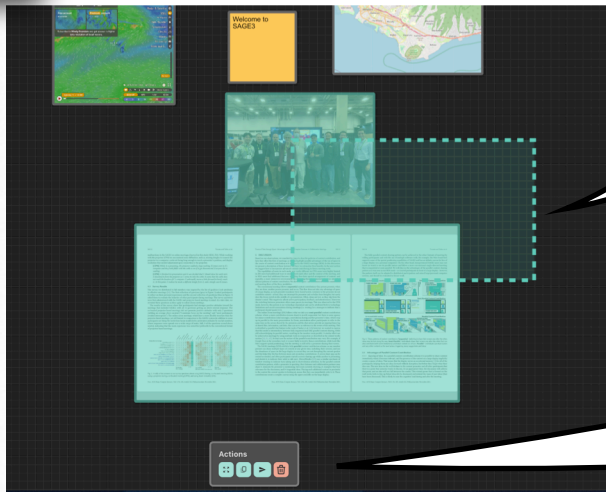
988 items, 1.78 TB available

SAGE3

JUST CLICK AND DRAG FILES FROM YOUR COMPUTER'S DESKTOP INTO A BLANK PORTION OF THE SAGE3 BOARD

GROUP SELECT ITEMS...

NEW



HOLD DOWN
SHIFT KEY AND
DRAG OUT A
BOUNDING BOX

SELECTED
ITEMS CAN BE
DUPLICATED
OR COPIED TO
ANOTHER
BOARD

ALL THE TOOLS...

NEW

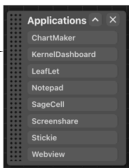
FIND OTHER USERS IN THE BOARD.
CLICK ON THEM TO JUMP TO THEIR VIEWPOINT.



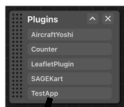
SCRIBBLE ON THE BOARD.



LAUNCH APPLICATIONS



LAUNCH PLUGINS (MINI-APPS)



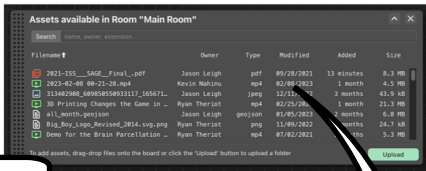
NAVIGATE THE BOARD



QUICK ACCESS MENU (PRESS RIGHT MOUSE BUTTON)



ACCESS ASSETS



12

GIVE THESE APPLICATIONS A TRY...

NEW

VIEW GEOJSON FILES

SHARE YOUR SCREEN

MAKE A STICKY NOTE

OPEN AN INTERACTIVE WEB BROWSER

Applications ^ X

ChartMaker

KernelDashboard

LeafLet

Notepad

SageCell

Screenshare

Stickie

Webview

LAUNCH PYTHON KERNELS

LAUNCH PYTHON CODE CELLS

13

FOR STICKIE NOTES YOU CAN ALSO POINT AT A BLANK AREA OF A BOARD AND PRESS **SHIFT-S**

SCREEN SHARING...

IF YOU SELECTED
SCREEN SHARING,
YOU WILL SEE A
POP UP TO LET
YOU CHOOSE THE
SCREEN TO SHARE

The screenshot shows the SAGE3 interface with a 'Select Screenshot Source' dialog box open. The dialog has two tabs: 'Screens' and 'Windows'. Under the 'Screens' tab, there are three options: 'Screen: 69734662', 'Screen: 457179207', and 'Screen:'. The first option is selected. Below the options are 'Cancel' and 'Share' buttons. In the background, the 'Main Room: Main Board' is visible with various icons. At the bottom, there is an 'Applications' list and an 'Assets available in Room "Main Room"' table.

Filename	Owner	Type	Modified	Added	Size
IMG_1382.JPG	Jason Leigh	jpeg	07/19/2022	54 minutes	10.9 MB

Jason Leigh

SAGE3 Collaborative Room

SAGES CAN SHARE MULTIPLE SCREENS FROM MULTIPLE LAPTOPS AT THE SAME TIME ACROSS THE BOARD!

SHARED SCREEN

SECOND SHARED SCREEN

THERE IS NO LIMIT ON THE NUMBER OF USERS WHO CAN SHARE THEIR SCREEN AT THE SAME TIME

YOU CAN RUN SAGES3 ON A
LARGE DISPLAY WALL TOO...



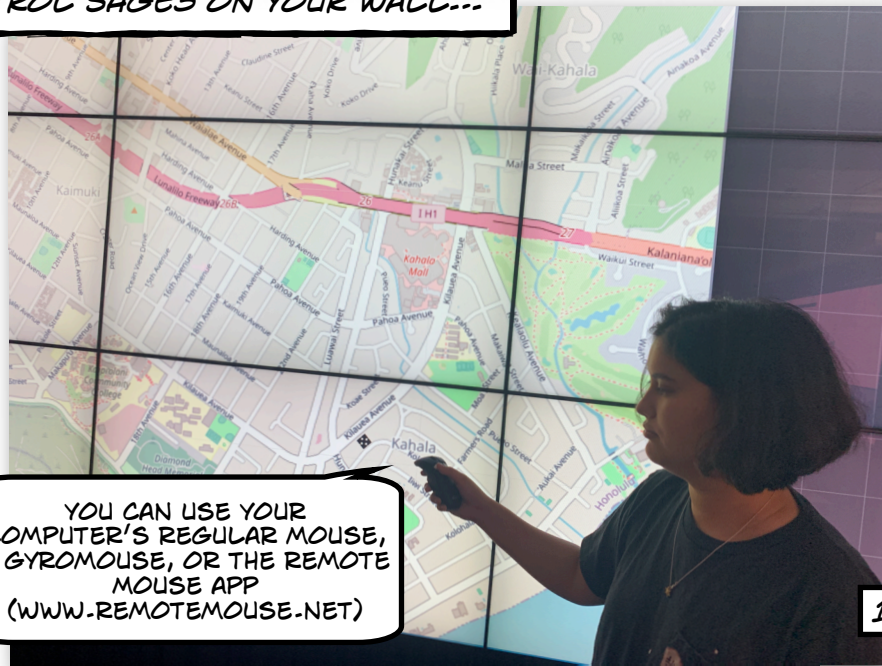
16

JUST INSTALL THE SAGE3 CLIENT APPLICATION ON THE COMPUTER DRIVING THE WALL, AND LAUNCH IT.



STRETCH THE SAGE3 WINDOW TO FILL THE WALL. YOU MAY ALSO CONSIDER USING ULTRAMON TO HELP MAXIMIZE YOUR DISPLAY.
(WWW-REALTIMESOFT.COM/ULTRAMON)

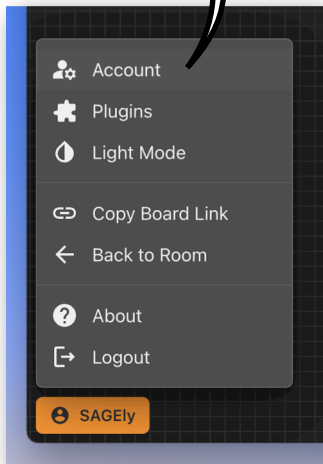
CONTROL SAGES ON YOUR WALL...



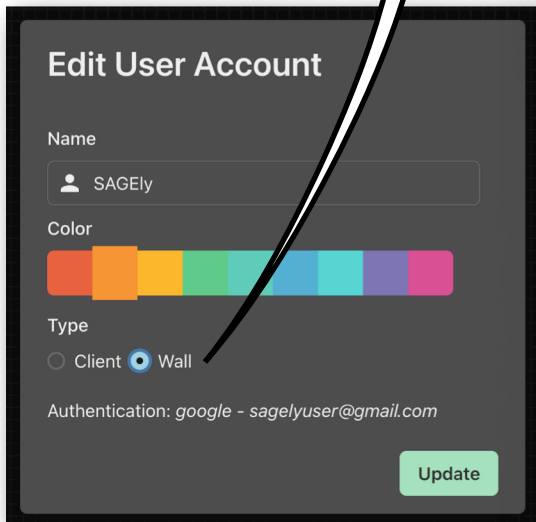
YOU CAN USE YOUR
COMPUTER'S REGULAR MOUSE,
A GYROMOUSE, OR THE REMOTE
MOUSE APP
(WWW.REMOTEMOUSE-NET)

DESIGNATING THE CLIENT AS A "WALL"...

SELECT ACCOUNT



SELECT WALL



A BORDER WILL
APPEAR TO OTHER
USERS SO THEY
CAN SEE THE
VISIBLE AREA OF
THE WALL.

The screenshot shows a digital workspace with a dark background. On the left, a control panel titled "Main Room: Main Board" contains icons for navigation, users, a grid, a folder, a document, and a pencil. In the center, a yellow box says "Welcome to SAGE3". To the right is a map of a coastal region. Below the map is a video feed of a meeting room with people seated around tables. At the bottom left, a pink name tag identifies "Jason Leigh". At the bottom right, a name tag identifies "SAGEly User". The SAGE3 logo is in the bottom right corner.

WORKING WITH SAGE'S VERSION OF COMPUTATIONAL NOTEBOOKS...

The image shows a screenshot of the Sage Kernel Dashboard interface. On the left, there is a 'Main Menu' and an 'Applications' sidebar. The 'Applications' sidebar lists various tools: ChartMaker, KernelDashboard, Leaflet, Notepad, SageCell, Screenshare, Stickie, and Webview. The 'KernelDashboard' is highlighted with a red arrow and a '1' in a red circle. Below the sidebar, there is a 'KernelDashboard' section with a 'Create New Kernel' button, also highlighted with a red arrow and a '2' in a red circle. To the right, there is a 'SAGE Cells' section with a code editor and a plot. The code editor contains the following code:

```
1 import pylab.pyplot as plt
2 import pandas as pd
3
4 url = "https://archive.ics.uci.edu/ml/machine-learning-databases/cars/cars.data"
5
6 # Using the appropriate information on the column names
7 col_names = ["sepal_length", "sepal_width", "petal_length", "petal_width", "species"]
8
9 df = pd.read_csv(url, names = col_names)
10
11 fig = plt.scatter_matrix(df, dimensions=["sepal_width", "sepal_length", "petal_width", "petal_length"], color="species")
12 plt.show()
```

The plot shows a scatter matrix of the data. The x-axis is labeled 'sepal_width' and the y-axis is labeled 'sepal_length'. The plot shows a positive correlation between sepal_width and sepal_length. The plot is titled 'sepal_length vs sepal_width (species)' and has a legend for 'species' with three categories: 'blue', 'red', and 'green'. The plot is also titled 'Lin 10, Col 100'. Below the plot, there is a 'SAGE Cells' section with a code editor and a plot. The code editor contains the following code:

```
1 fig = plt.scatter(df, x="sepal_width", y="sepal_length")
2 plt.show()
```

The plot shows a scatter plot of sepal_width vs sepal_length. The x-axis is labeled 'sepal_width' and the y-axis is labeled 'sepal_length'. The plot shows a positive correlation between sepal_width and sepal_length. The plot is titled 'Lin 2, Col 5'.

NEW

1. Open Kernel Dashboard
2. Create a New Kernel
3. Create SAGE Cells
4. Enter code into SAGE Cells
5. Run code in cells

FOR MORE HELP VISIT...

TINYURL.COM/SAGECOMMUNITY

SAGE3 IS MADE POSSIBLE BY THE FOLLOWING
NATIONAL SCIENCE FOUNDATION AWARDS:

2004014 (UNIVERSITY OF HAWAII AT MANOA),
2003800 (UNIVERSITY OF ILLINOIS AT CHICAGO),
2003387 (VIRGINIA TECH)

