

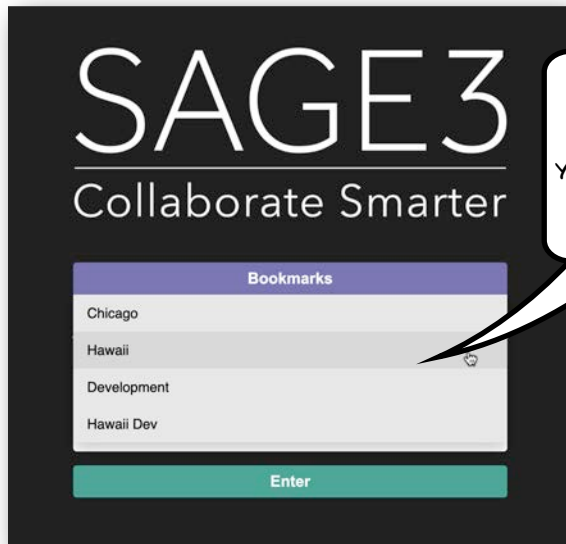
SAGE3
Collaborate Smarter

QUICK START GUIDE

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

THIS GUIDE IS FOR VERSION 1.0.8 (2023)

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



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

LOGIN TO SAGE3.

SAGE3

Collaborate Smarter



Login with Google



Login with Apple



Login with CI Logon



Login as Guest

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

OR LOGIN WITH
YOUR APPLE LOGIN

OR LOGIN WITH
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

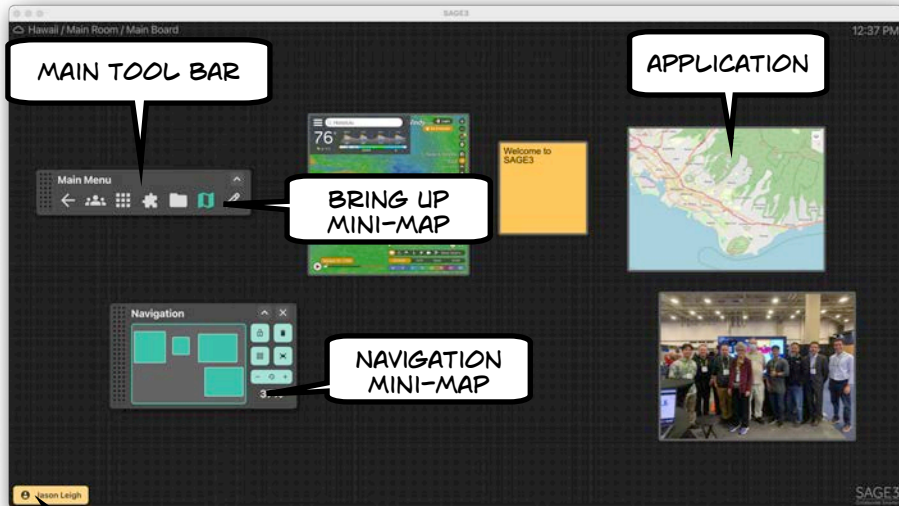
CLICK ON ANY BOARD TO ENTER IT

The screenshot shows the SAGE3 'Rooms' interface. At the top, it says 'EVL (Chicago)' and '03:03 PM'. The main title is 'Rooms'. Below this is a search bar with a '+' icon and a search icon, and a 'Find Room...' label. The list of rooms includes:

- Data science**: Room for Data Science, 0 boards, lock icon, settings icon.
- EVL**: boards for EVL, 1 board, lock icon, settings icon.
- LAVA**: Laboratory for Advanced Visualization & Applications, 2 boards, lock icon, settings icon.
- Main Room**: Builtin default room, 0 boards, lock icon, settings icon. This room is highlighted with a green border. Below it is a search bar with a '+' icon and a search icon, and a 'Find Board...' label. Underneath is the **Main Board**: Builtin default board, 0 boards, lock icon, settings icon.
- SAGE3**: sage3 dev team, 0 boards, lock icon, settings icon.

At the bottom left, there is a user profile for 'Jason Leigh'. At the bottom right, the 'SAGE3' logo is visible.

INSIDE A BOARD...



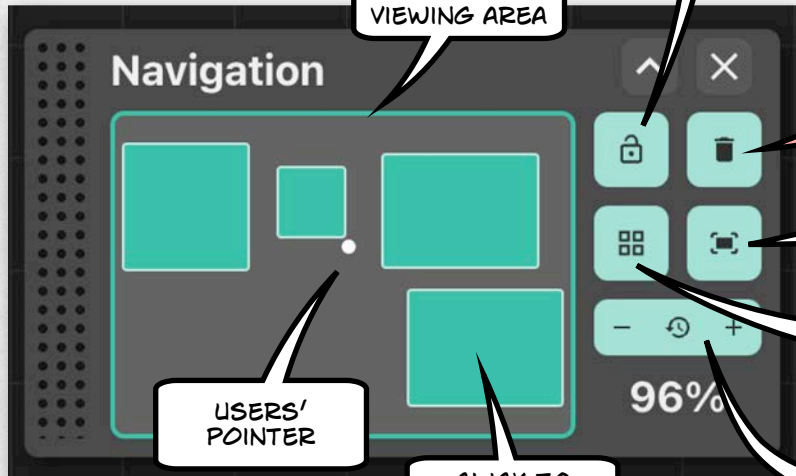
NAVIGATING THE BOARD...

CLICK ON
BOXES TO
JUMP & ZOOM
DIRECTLY TO
INDIVIDUAL
APPLICATIONS

The screenshot shows a web browser window titled "SAGE3" with the URL "https://www.windy.com/?21,298". The main content area displays a weather application for Honolulu, Windy.com, with a current temperature of 76°F. A navigation panel is overlaid on the left side of the dashboard, showing a grid of application icons. A yellow banner on the right side of the dashboard reads "Welcome to SAGE3". The browser's address bar shows the URL "https://www.windy.com/?21,298".

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

MORE ON THE MINI-MAP...



YOUR
CURRENT
VIEWING
AREA

LOCK VIEW

DELETE
EVERYTHING
FROM THE
BOARD

FIT YOUR VIEW
TO SEE ALL
APPS

TILE CONTENT

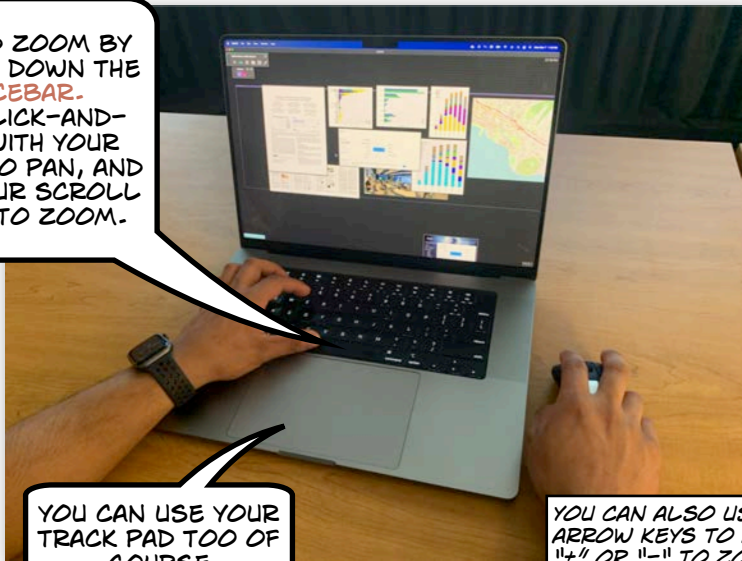
SET ZOOM
LEVEL

USERS'
POINTER

CLICK TO
ZOOM INTO
APPLICATION

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.



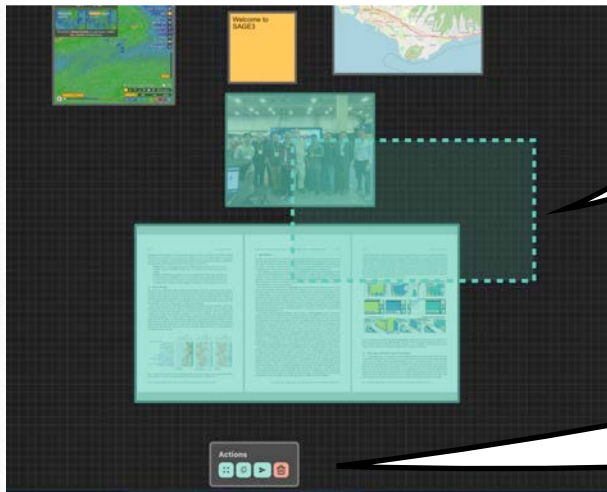
YOU CAN USE YOUR
TRACK PAD TOO OF
COURSE

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 background and several widgets: a weather widget showing 76 degrees, a map, a 'Welcome to SAGE3' message, a 'Main Menu' with icons for home, users, settings, and edit, and a 'Navigation' panel with a grid of teal squares and 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 this area with the text: 'JUST CLICK AND DRAG FILES FROM YOUR COMPUTER'S DESKTOP INTO A BLANK PORTION OF THE SAGE3 BOARD'. The user's name 'Jason Leigh' is visible in the bottom left corner of the dashboard.

GROUP SELECT ITEMS...



HOLD DOWN
SHIFT KEY AND
DRAG OUT A
BOUNDING BOX

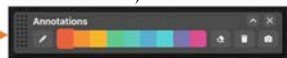
SELECTED
ITEMS CAN BE
DUPLICATED
OR COPIED TO
ANOTHER
BOARD

ALL THE TOOLS...

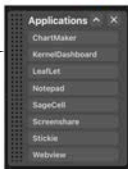
FIND OTHER USERS IN THE BOARD.
CLICK ON THEM TO JUMP TO THEIR VIEWPOINT.



SCRIBBLE ON THE BOARD



LAUNCH APPLICATIONS



NAVIGATE THE BOARD

QUICK ACCESS MENU
(PRESS RIGHT
MOUSE BUTTON)



LAUNCH
PLUGINS
(MINI-APPS)



ACCESS ASSETS

GIVE THESE APPLICATIONS A TRY...

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

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

SAGE3 10:00 PM

Select Screenshot Source

Screens Windows

Screen: 69734662 Screen: 457179207 Screen:

Cancel Share

Main Room: Main Board

Applications

- Leaflet
- Notepad
- Screenshare
- Stockie
- Webview

Assets available in Room "Main Room"

Filename	Owner	Type	Modified	Added	Size
IMG_1382.JPG	Jason Leigh	jpeg	87/10/2022	54 minutes	19.9 MB

To add assets, drag-drop files onto the board or click the "Upload" button to upload a folder

Upload

Jason Leigh

SAGE3

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 SAGE3 ON A
LARGE DISPLAY WALL TOO...



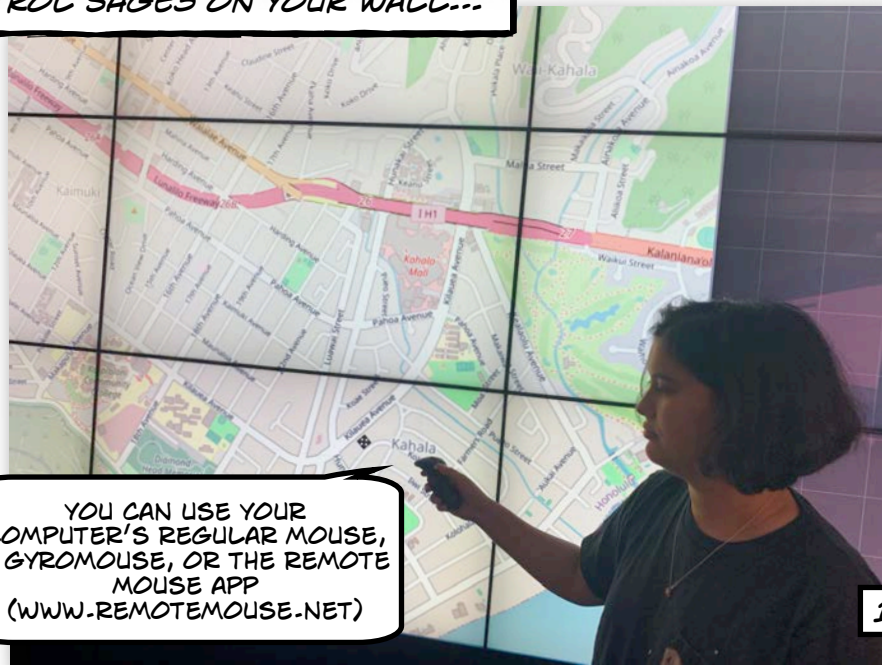
15

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)

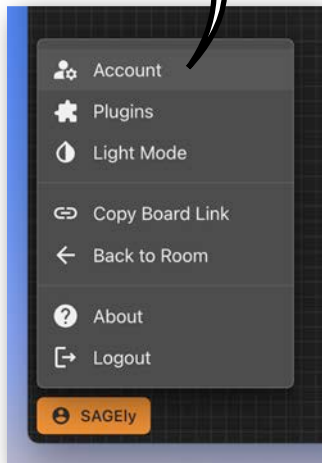
CONTROL SAGES ON YOUR WALL...



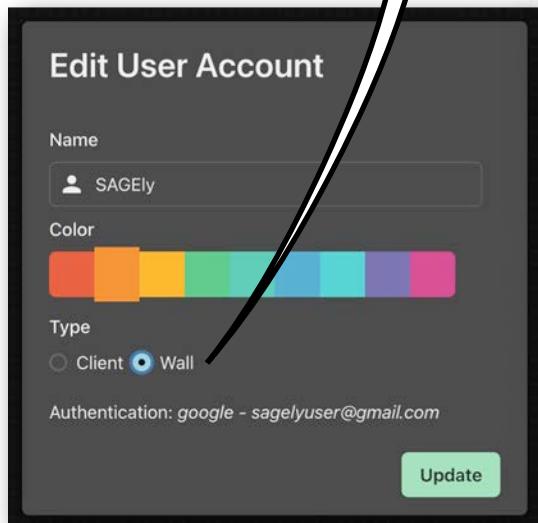
YOU CAN USE YOUR
COMPUTER'S REGULAR MOUSE,
A GYROMOUSE, OR THE REMOTE
MOUSE APP
(WWW.REMOTEMOUSE.NET)

DESIGNATING THE CLIENT AS A "WALL"...

SELECT ACCOUNT



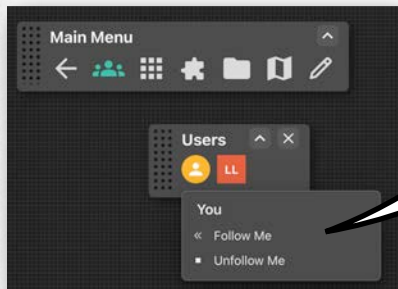
SELECT WALL



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

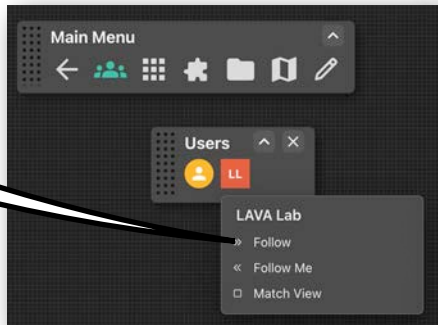
The screenshot shows a digital workspace interface with a dark background. On the left, a control panel titled "Main Room: Main Board" contains icons for navigation, user management, grid view, folder, document, and editing. In the center, there is a yellow "Welcome to SAGE3" card and a large map of a coastal region. Below the map is a video feed of a meeting room with several people seated around a table. 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.

FOLLOW FEATURE...



YOU CAN HAVE
OTHERS FOLLOW
YOU WHEREVER
YOU GO ON THE
BOARD

OR YOU CAN
FOLLOW OTHERS



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

The screenshot displays the SageMath interface with a dark theme. On the left, the 'Main Menu' and 'Applications' sidebar are visible. The 'KernelDashboard' is highlighted with a green box and a '1' in a red circle. Below it, the 'Create New Kernel' button is highlighted with a green box and a '2' in a red circle. A dashed orange arrow points from the 'Create New Kernel' button to the right, where a code editor window is shown. The code editor contains Python code for data analysis and visualization, with a '4' in a red circle next to the code. Below the code editor, a scatter plot is displayed, with a '5' in a red circle next to it. The scatter plot shows a positive correlation between 'height' and 'weight'.

1. Open Kernel Dashboard

2. Create a New Kernel

3. Create SAGE Cells

4. Enter code into SAGE Cells

5. Run code in cells

```
import matplotlib.pyplot as plt
import pandas as pd

# Create a DataFrame with random data
data = pd.DataFrame({
    'height': [170, 180, 190, 200, 210, 220, 230, 240, 250, 260],
    'weight': [60, 70, 80, 90, 100, 110, 120, 130, 140, 150]
})

# Plot height vs weight
plt.scatter(data['height'], data['weight'])
plt.xlabel('height')
plt.ylabel('weight')
plt.show()
```

FOR MORE HELP VISIT...



[HTTPS://DISCORD.COM/INVITE/VDNY2BZAGC](https://discord.com/invite/vdny2bzagc)

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)

