

Skills Lab 1

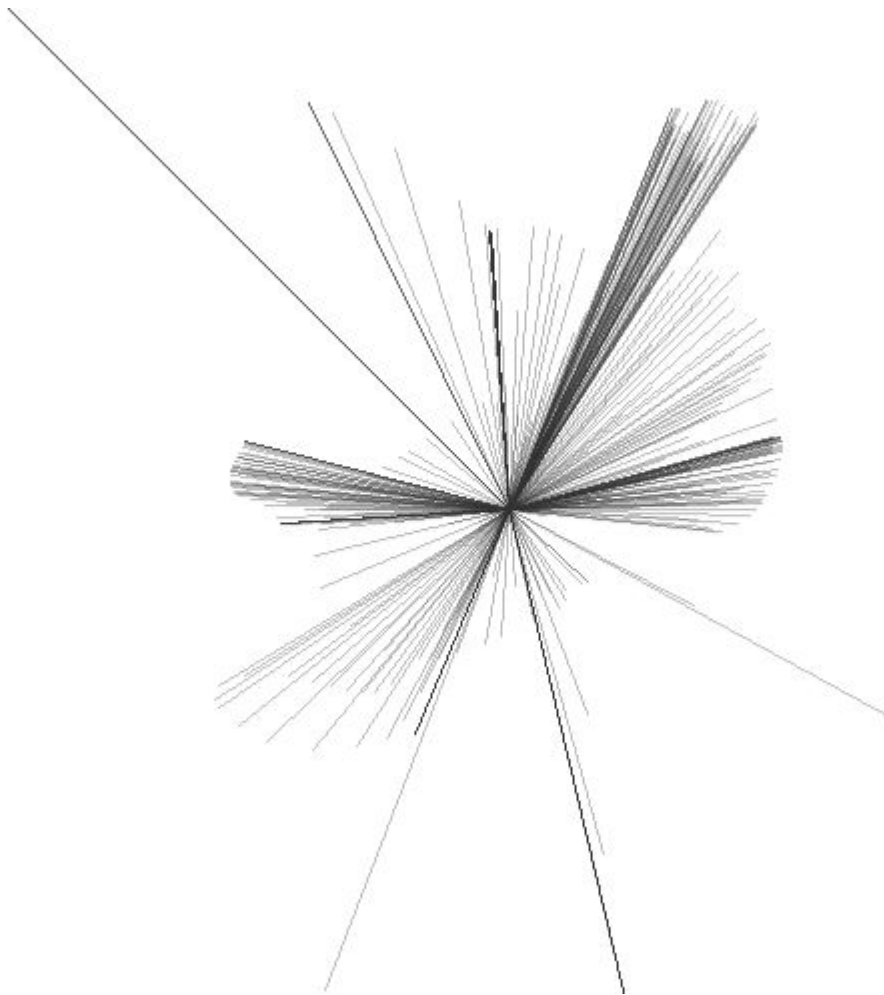
A Samuel Pottinger
Stat 198: IDSV
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**Goal is to get
through tutorials
1 and 2.**

Tutorial 1 is oriented towards
those that have less prior python
experience.

Tutorial 2 should be accessible
after tutorial 1 but may be quick
for those with python expertise.

<https://interactivedatascience.courses/labs>

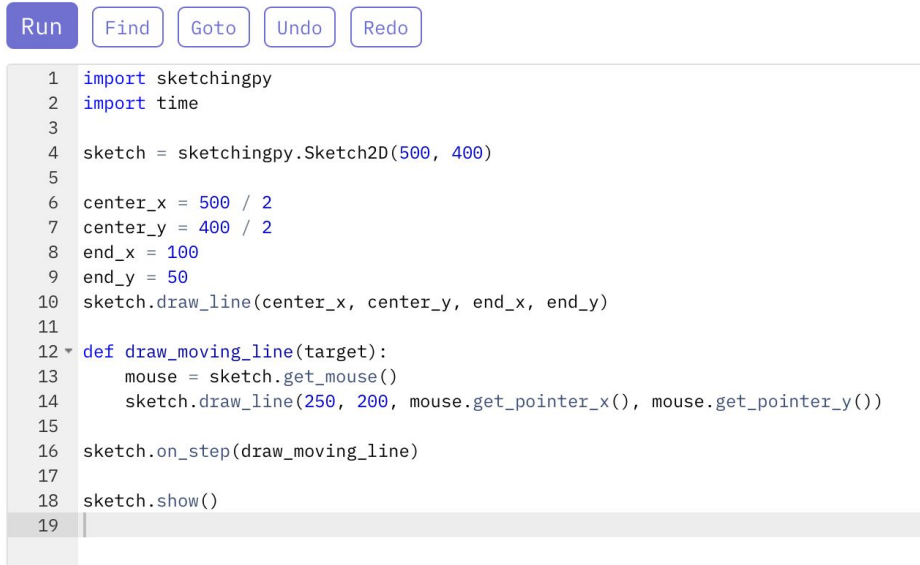


Jupyter Lite and Sketchingpy Sketchbook

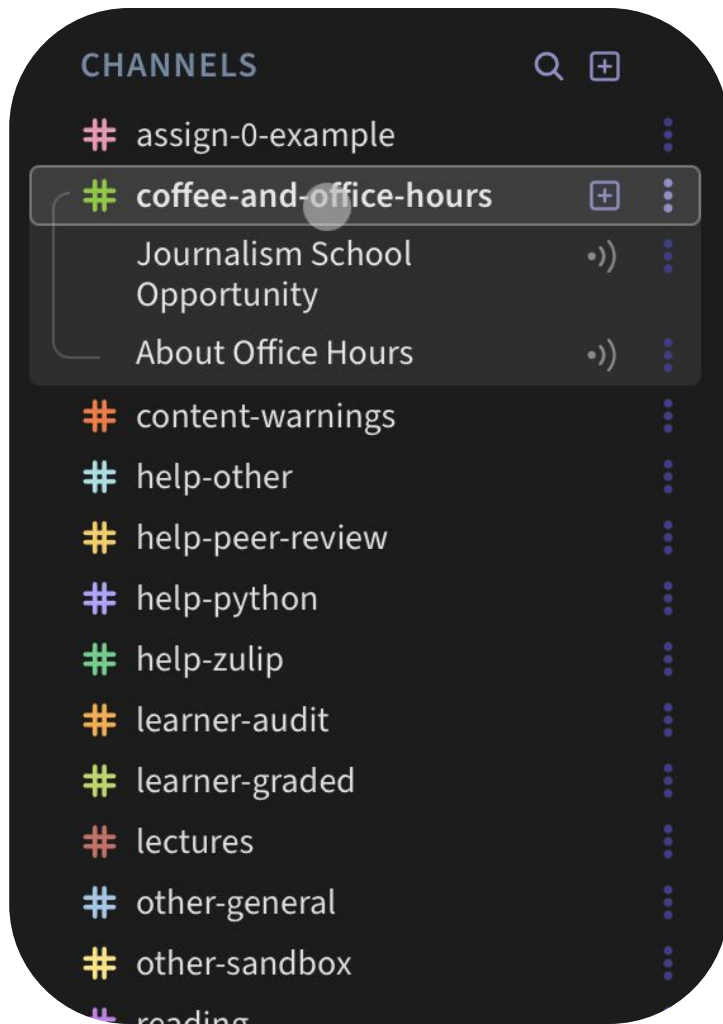
Tutorial 1 uses Jupyter Lite.

Tutorial 2 uses the Sketchingpy sketchbook.

You only need a web browser.



```
Run Find Goto Undo Redo
1 import sketchingpy
2 import time
3
4 sketch = sketchingpy.Sketch2D(500, 400)
5
6 center_x = 500 / 2
7 center_y = 400 / 2
8 end_x = 100
9 end_y = 50
10 sketch.draw_line(center_x, center_y, end_x, end_y)
11
12 def draw_moving_line(target):
13     mouse = sketch.get_mouse()
14     sketch.draw_line(250, 200, mouse.get_pointer_x(), mouse.get_pointer_y())
15
16 sketch.on_step(draw_moving_line)
17
18 sketch.show()
19
```



Flipped Classroom

Sources for imagery

<https://badriadhikari.github.io/data-viz-workshop-2021/minards/>

