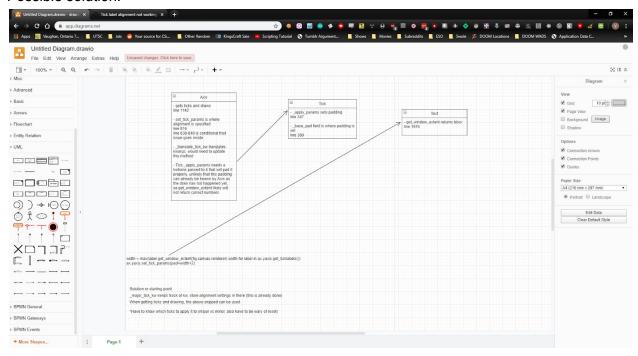
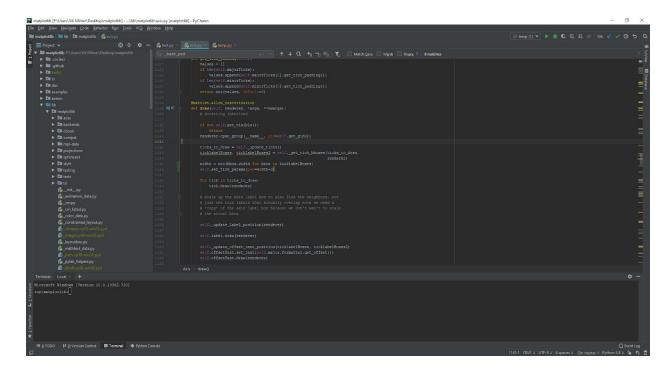
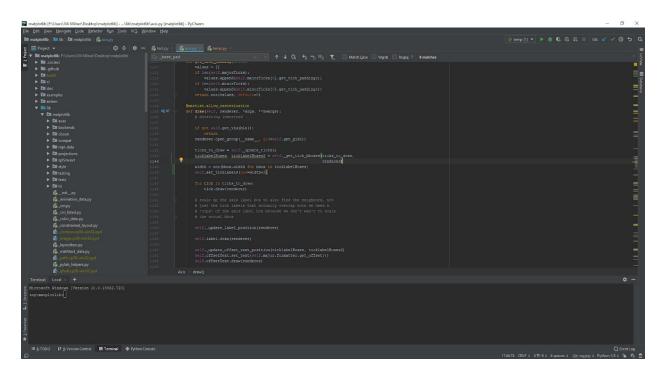
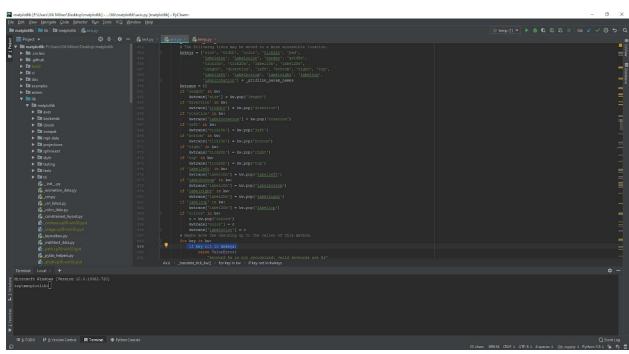
## Possible solution:



- Draw twice
- Don't have to get\_windows\_extend
- Get the max of tick\_label boxes







## Notes:

Ticks are created during draw, we can modify it before drawing On line 1142 in axis class:

```
ticks_to_draw = self._update_ticks()
    ticklabelBoxes, ticklabelBoxes2 =
self._get_tick_bboxes(ticks_to_draw, renderer)

<our code goes here>

for tick in ticks_to_draw:
    tick.draw(renderer)
```

Set\_tick\_params: kw\_trans updates the minor ticks translate

- Make sure horizontal alignment is in kw keys (in the \_translate\_tick\_kw method)

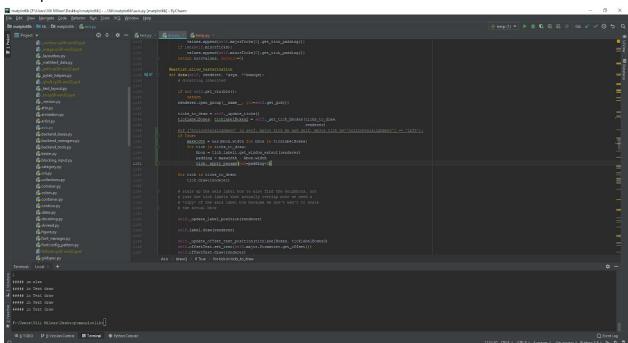
Set\_horizontal\_alignment: can't, because it's within the bounding box

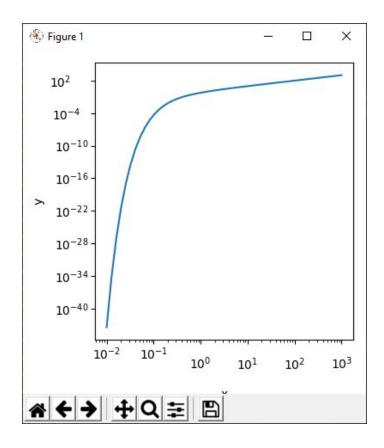
Not sure if need to differentiate between x and y axis???

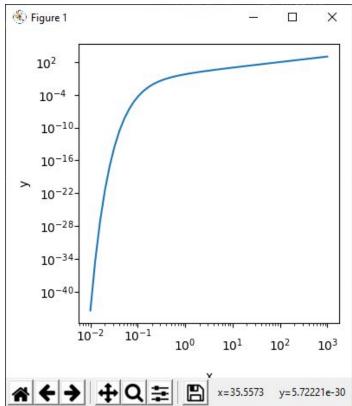
Might not need to

apply\_params applies to each tick individually: it does it for every tick

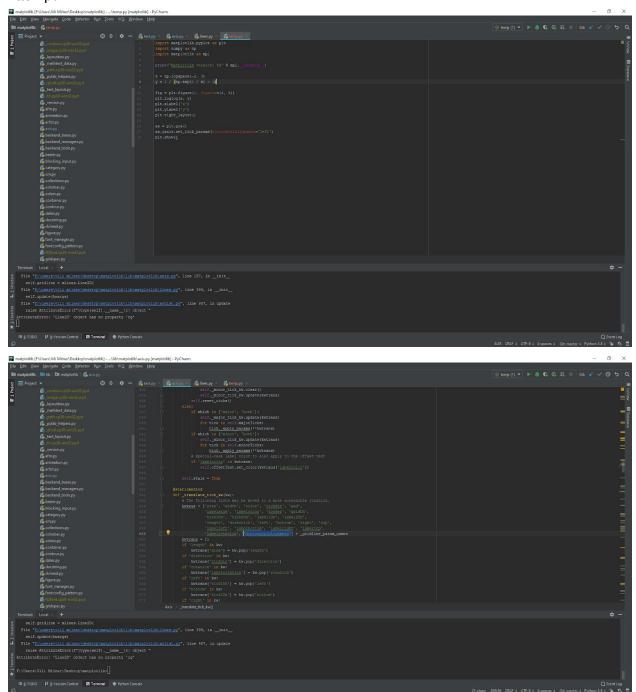
## Attempt:

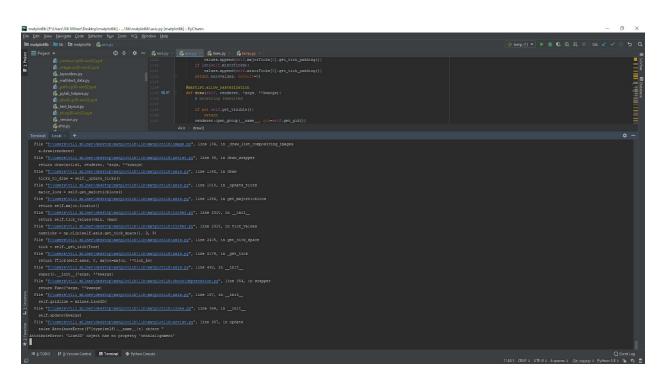


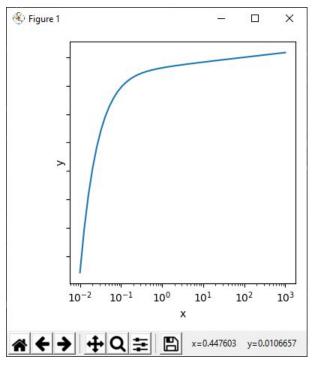




## Attempt 2:



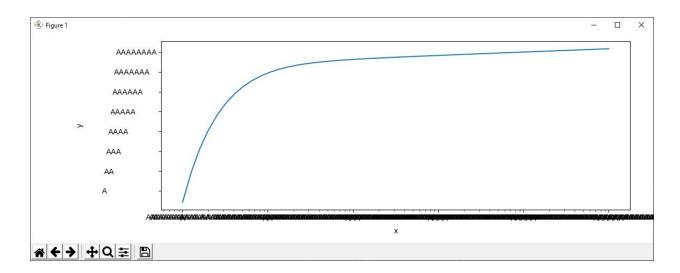




Looks like they're aligned

Current solution applies more padding than necessary for the smaller ones and not enough for the larger ones

- Problem may be the padding that we're passing into it
- Maybe one of them is in pixels and the other is not
- Stack Overflow (https://stackoverflow.com/questions/5320205/matplotlib-text-dimensions): there's inconsistencies



In x tick and y tick, padding stored in base pad

Have to understand what we're getting from the padding and the b box