

Issue #15225:

Show offset text on subplots after sharing axis

Potential source of the bug:

The bug seems to be caused by setting the `xticks label` to `true`. It appears that the `1e#` does not show up whenever you are sharing the x axis and want the x-axis to appear on a sub plot in which it does not have a sub plot directly under it on the last row. It seems that whenever you are setting the `labelBottom=True` for the `xticks` param, the `offsetText` is not becoming visible.

Impact on other parts of the system:

Once the bug is fixed it could be impacting the other parts of the system because this bug is for the labelling of the graph's x-axis when sharing. Other parts of the system such as drawing the figure or `Bbox` could get affected for the position of accounting for the offset label.

Work estimates:

Software Design: 7 hours

In this phase we are mainly just checking where the bug is in the code and what methods or classes you would need to fix the bug. This phase will take quite some time because it will be hard to figure out the scope of the `labelBottom` and `offsetText` and how they should be correlated with each other.

Implementing and Unit Testing: 10 hours

In this phase we are implementing a fix for the bug. This phase will take longer than the last phase because we would need to figure out what classes are being used to create the bug and figure out the edge cases once you start implementing the fix. Since this bug could be affecting the other parts of the system, additional overhead is needed in order to resolve addition errors and/or bugs (outside the scope of this issue) in a timely manner.

Justification for dismissing Issue #15225:

As seen from the software design and implementation and unit testing phases the time to complete those phases already take a long time. Since it takes 15 hours just to figure out the bug and see where the bug affects the other parts of the system, the team decided it would not be feasible to complete this in the time given for the deliverable. Also since there was a temporary fix already mentioned in the comments on this issue, we thought the implementation of fixing the bug will have a lower chance of it's pull request accepted if the fix isn't done properly.