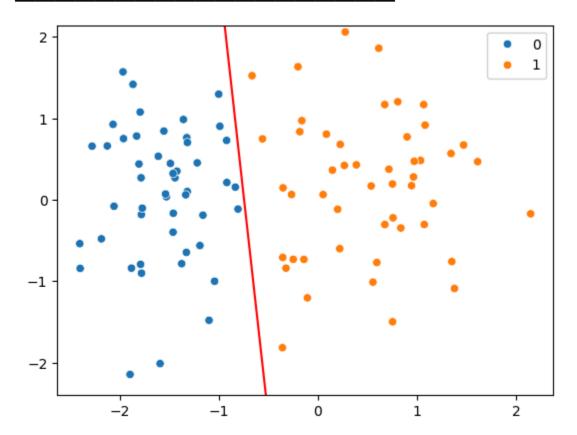
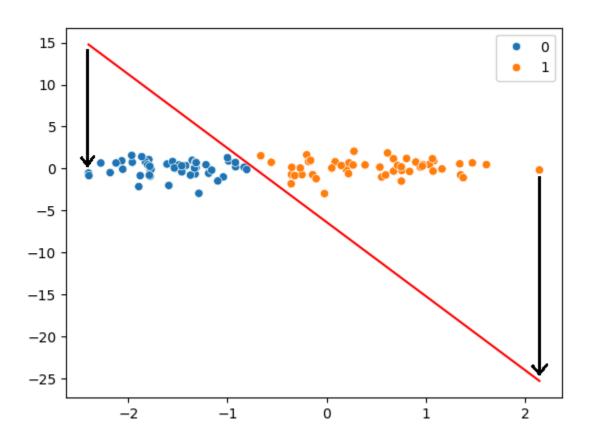
1) The straight line that we want to create:



But how do we create this **STRAIGHT** red line? The equation for **STRAIGHT** LINE is y = mx + b. We don't know for which X axis's values this red line is created. Okay let's assume we know. Now put all the X Axis values in y = mx + b and draw the line.

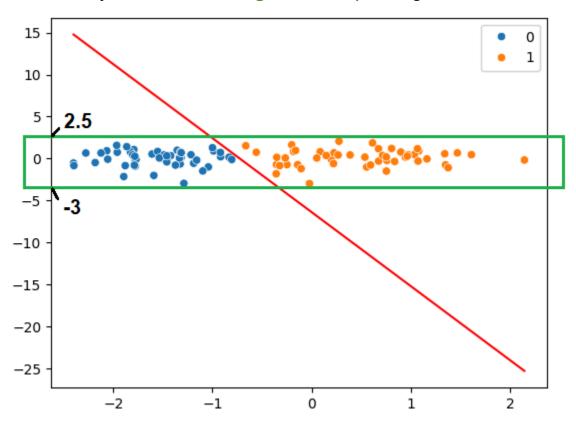


If you keep expanding the line both top and bottom side from step 1, the expanding line will stop just above the **Minimum Value** of X Axis and below the **Maximum Value** of **X Axis**. To create any straight line, we need minimum two points, the first and last.

So here the minimum and maximum points of that straight red line are Minimum value of the X Axis and Maximum value of the X Axis respectively. Now put these two X Axis values into y = mx + b to get the two y values to draw that straight line.

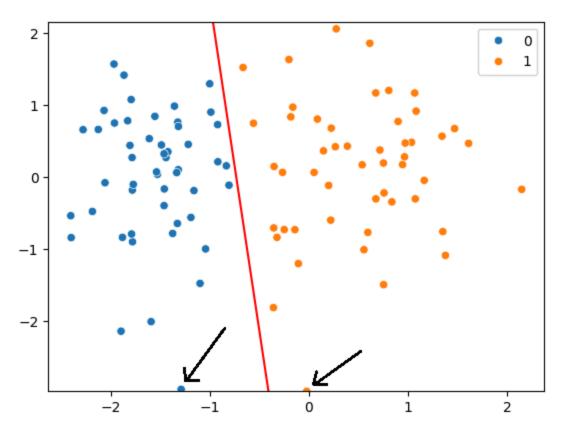
3) Trim Y Axis:

But we only want the below green box part, right?



Basically we just want to **trim the Y Axis** from -3 to 2.5 i.e. from the Minimum value of Y Axis to the Maximum value of Y Axis. In short, we want to **crop** the green box part of that graph.

A point is nothing but a dot(.) but scatterplot plots each point a little large for beautiful visualization putting that Dot Point inside each Large Circle. That's why if we crop exactly from minimum(Y Axis) to maximum(Y Axis), we'll get:



So we've to increase the Minimum and Maximum values of Y Axis just a little bit, 0.1, so those large points don't get cropped.