

Problem 2.29

If I could pick even number of points, I would pick points at $x = 1$ and $x = -1$ because then I would get the maximum range (2) and I think that would be a good fit of the slope.

Since there could be multiple y 's at -1 and 1 , it still makes sense to select points at $x = 1$ and $x = -1$ because then we would get accurate measure of y 's at -1 and 1

If we had odd number of points, we would select $x = 0$ because it is the mid point and would further improve the estimate of slope