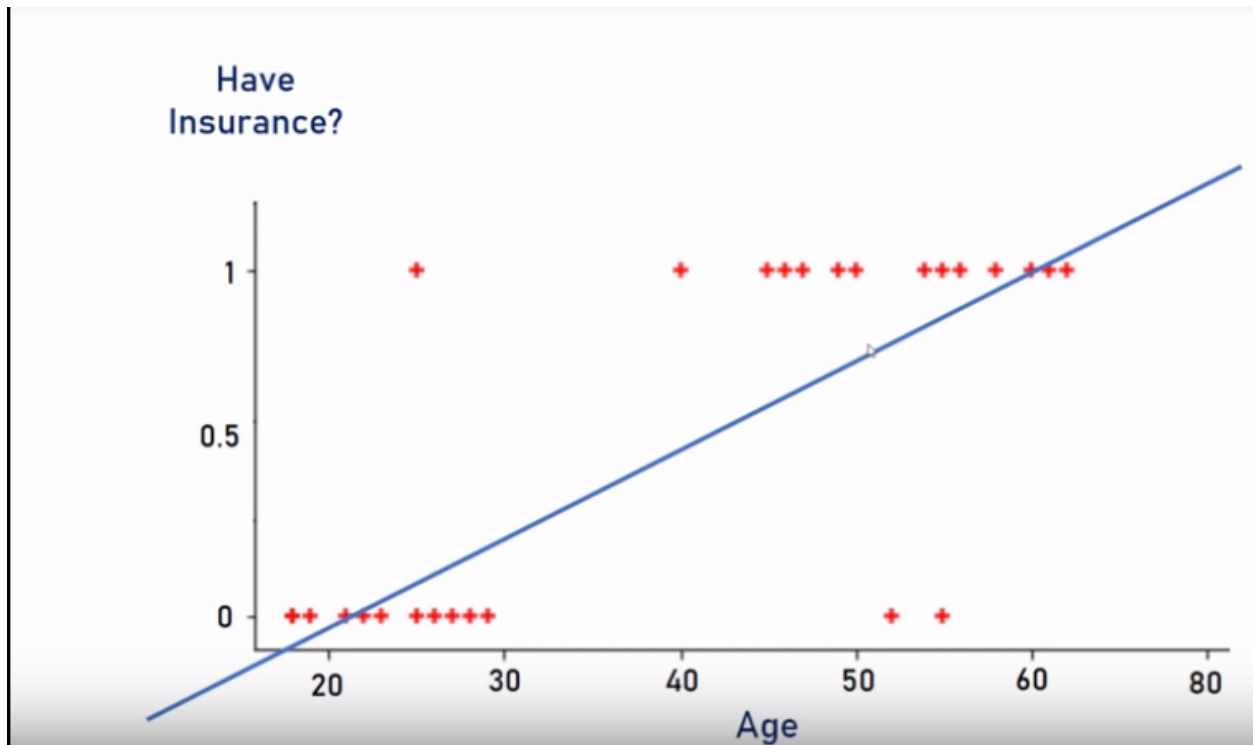It is a binary classification model that is based on regression and logit(Sigmoid) Function.
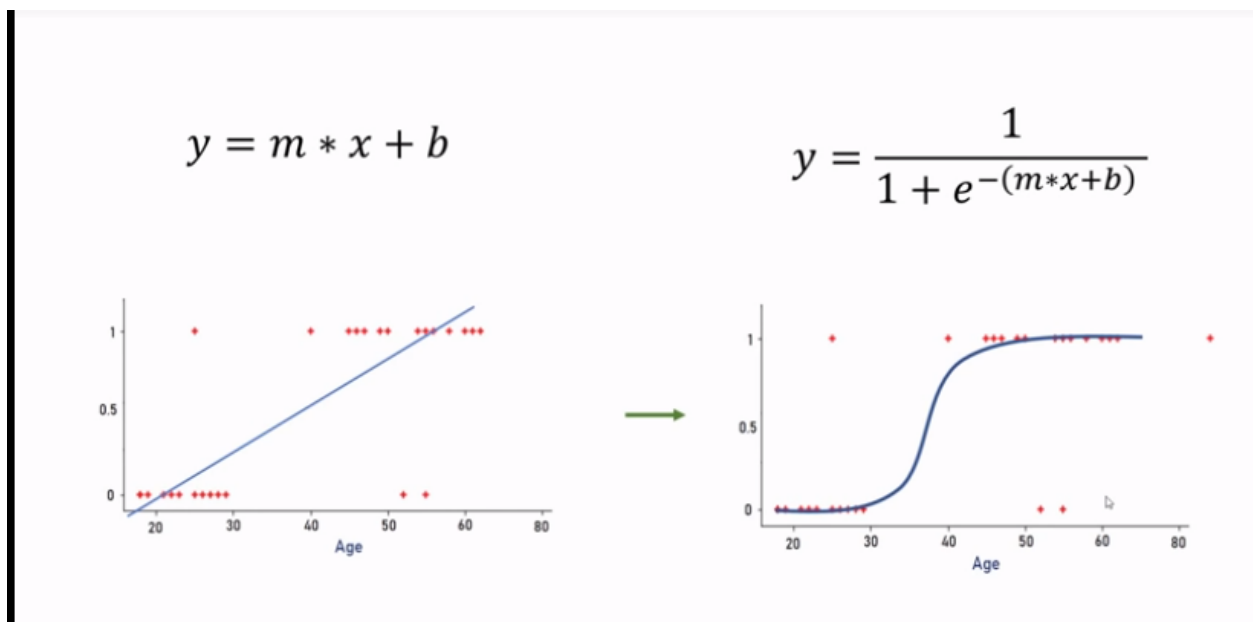
We may use with simple, multiple or polynomial regression and for easy learning we will consider simple regression.

Age	Have_Insurance
22	0
25	0
47	1
52	0
46	1
56	1
55	0
60	1
62	1
61	1
18	0
28	0
27	0
29	0
49	1

If we find regression line with these it looks like

If we apply sigmoid function to regression line;

$$y = m * x + b$$

$$y = \frac{1}{1 + e^{-(m*x+b)}}$$

If y<.5 class 0

If y>=.5 class 1