Logistic Regression

Linear regression is a Regression technique

Logistic regression is classification technique

Use case:

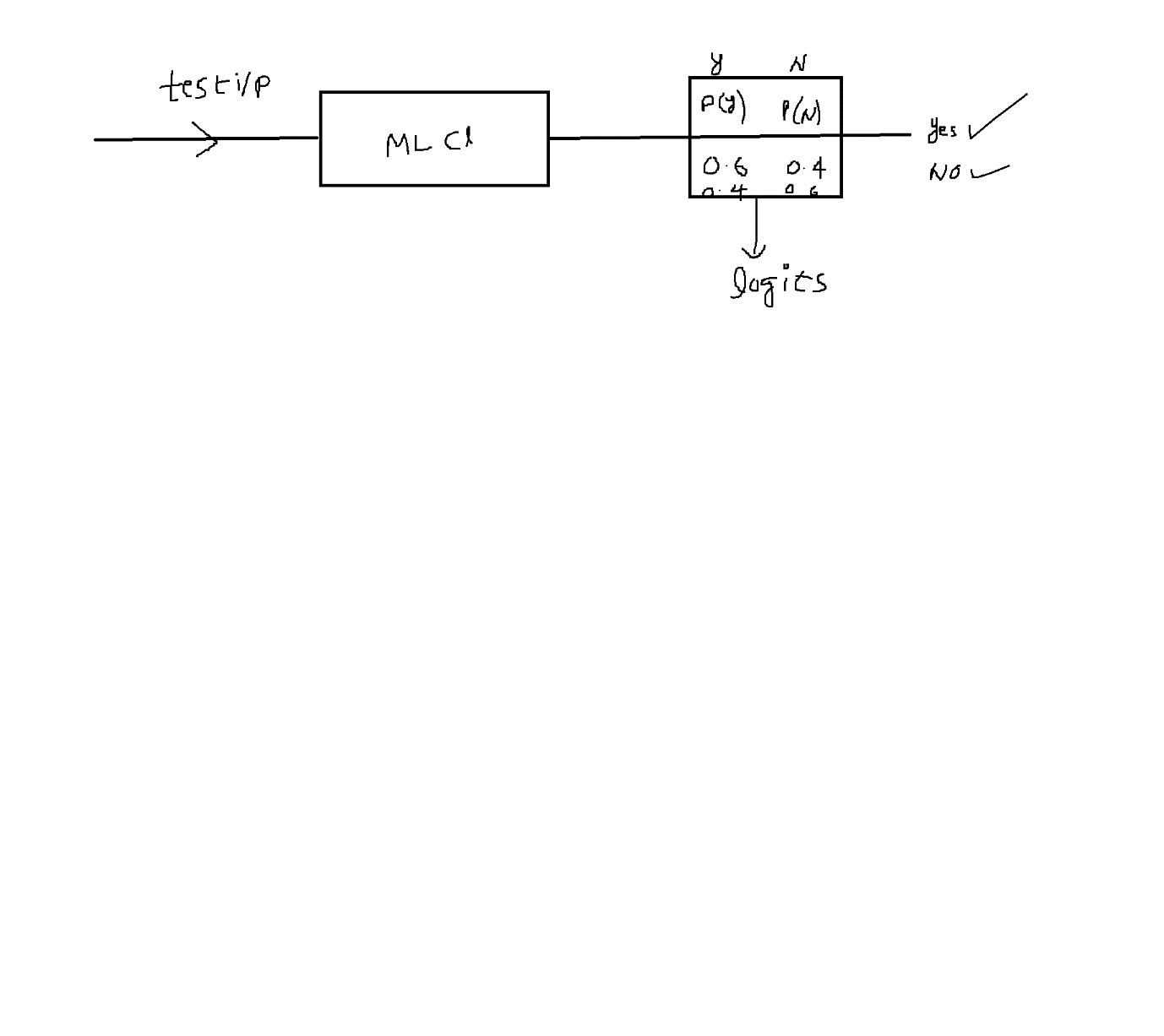
You are a magazine owner, you want to know the subscription of your magazine based on age criteria

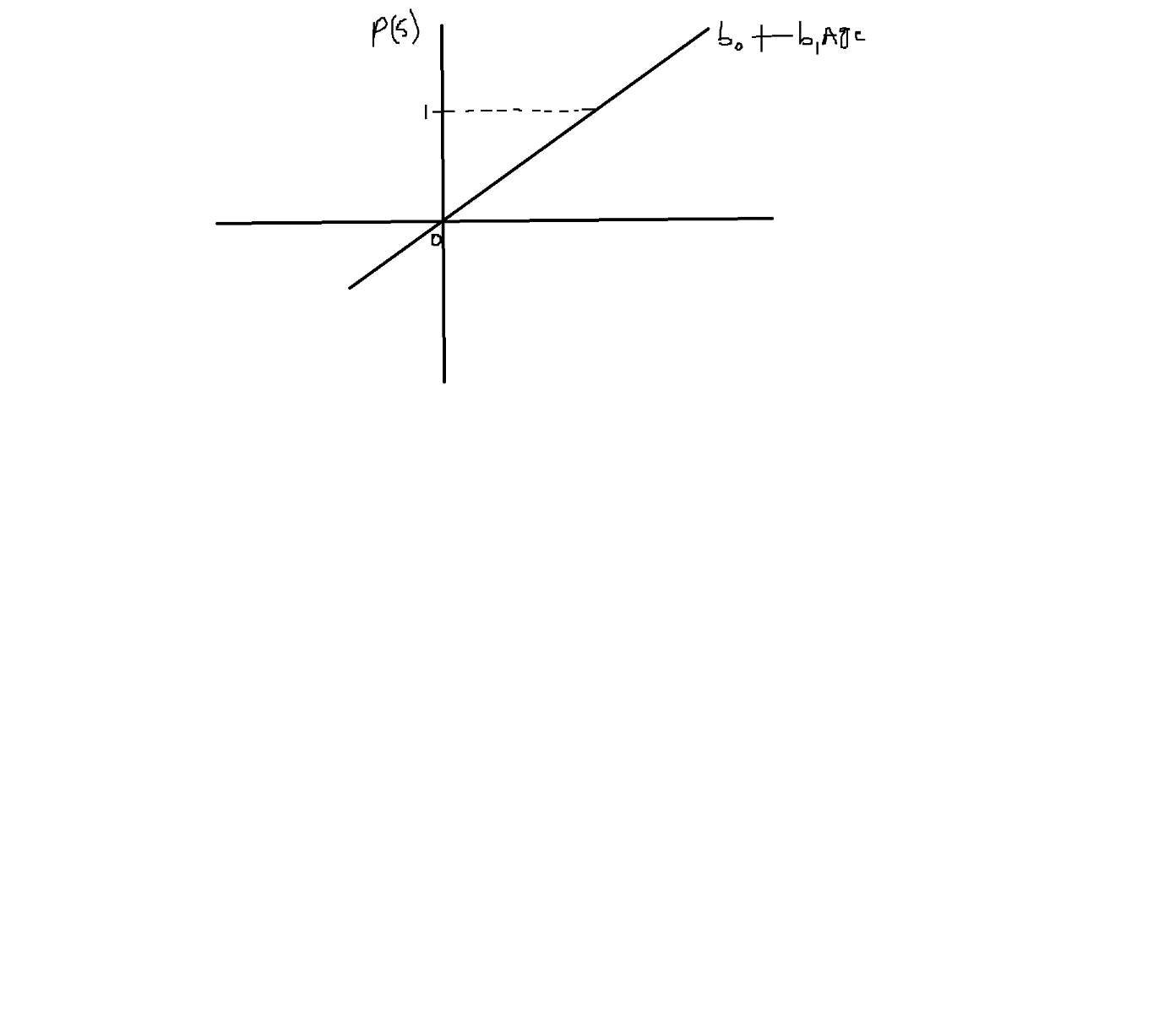
Target column: magazine subscription

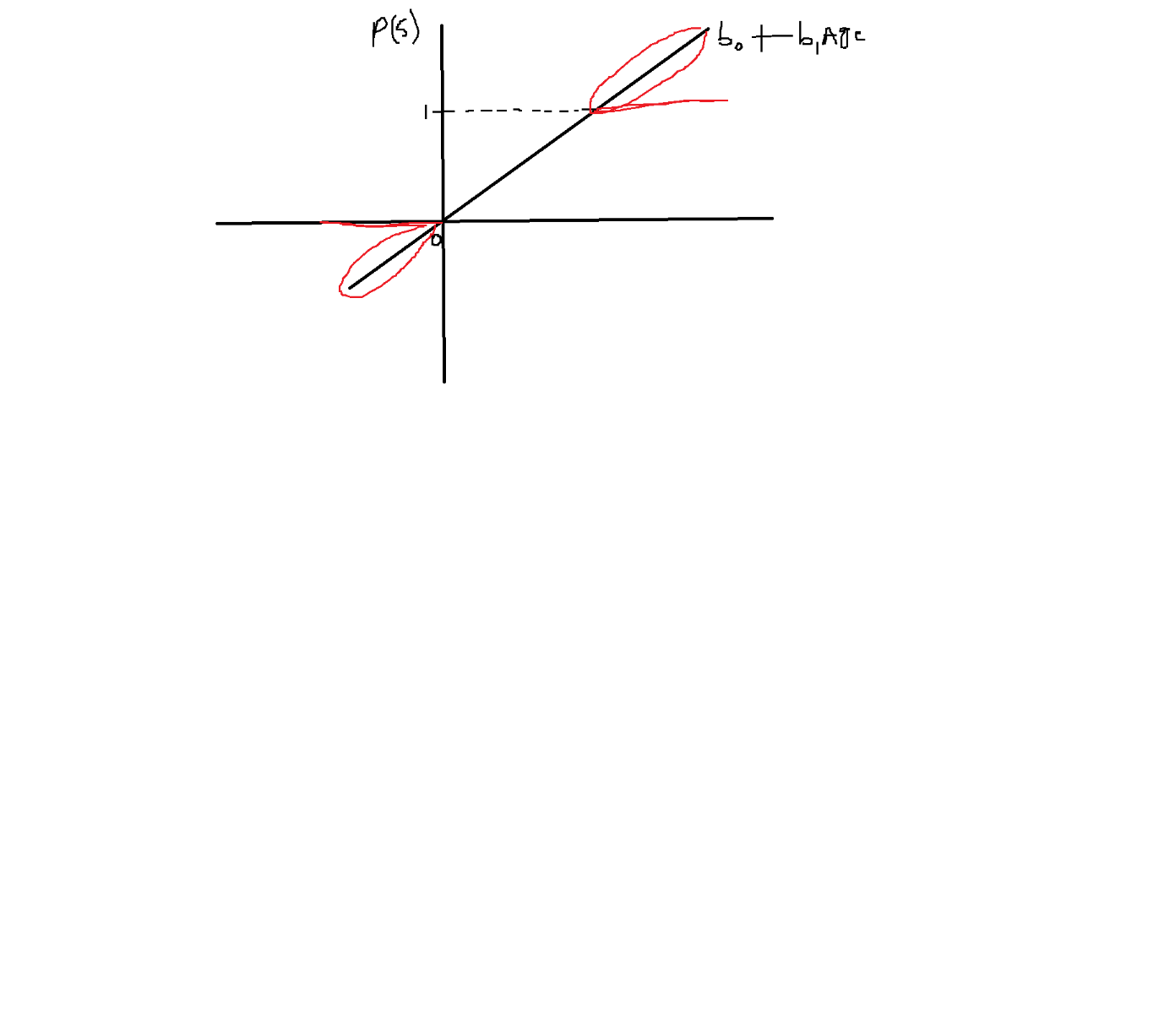
Input column: age

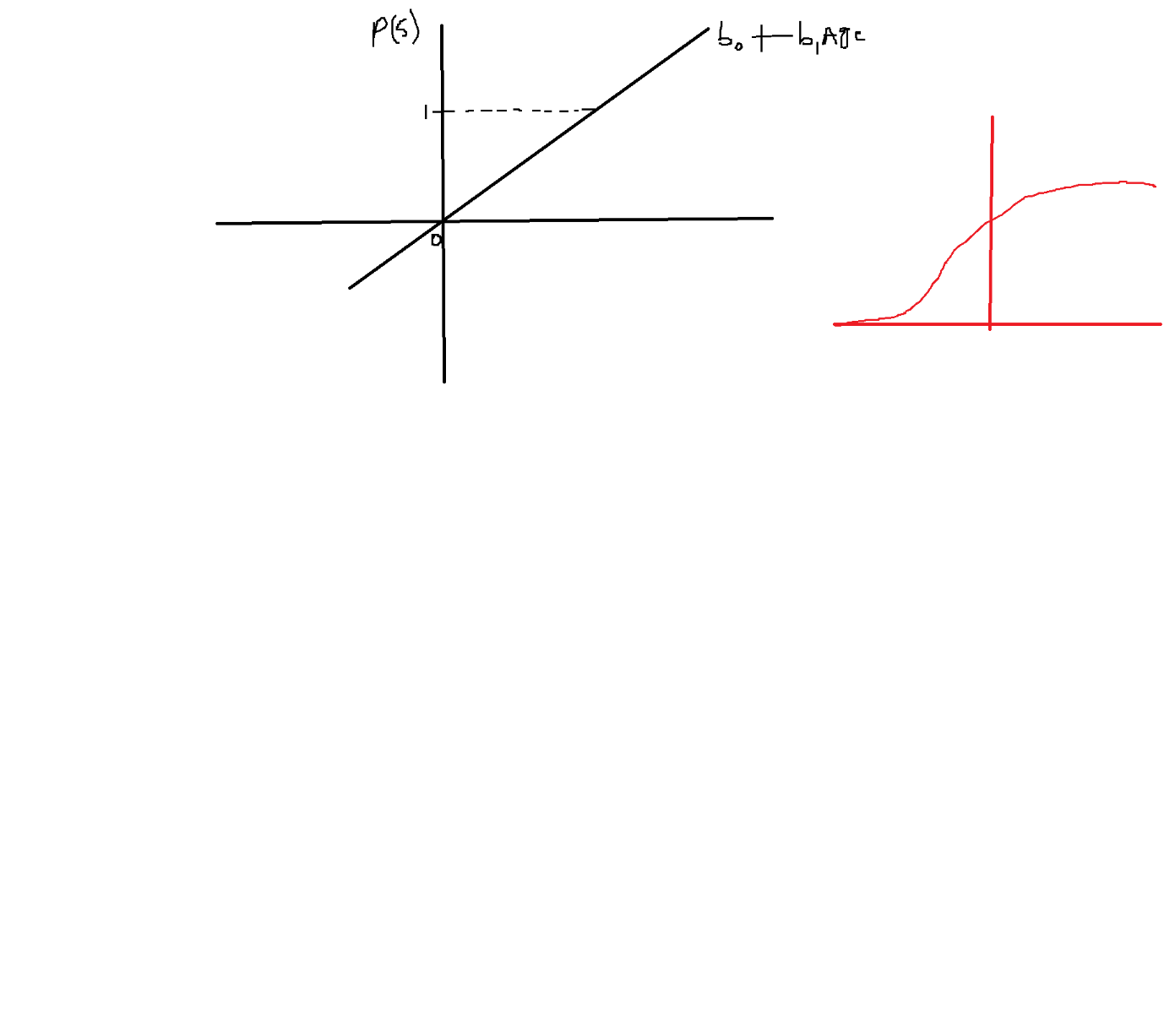
| Age | Sunscribe(y) |
| --- | --- |
| 30 | Yes |
| 35 | No |
| 40 | No |

Assume that you know only Linear regression, you doesn’t know any classification methods

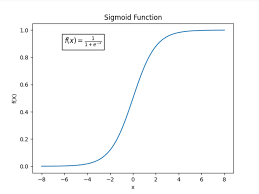








Sigmoid function values ranges between 0 to 1 only



Probability of getting head =0.5

Probability of getting tail =0.5

