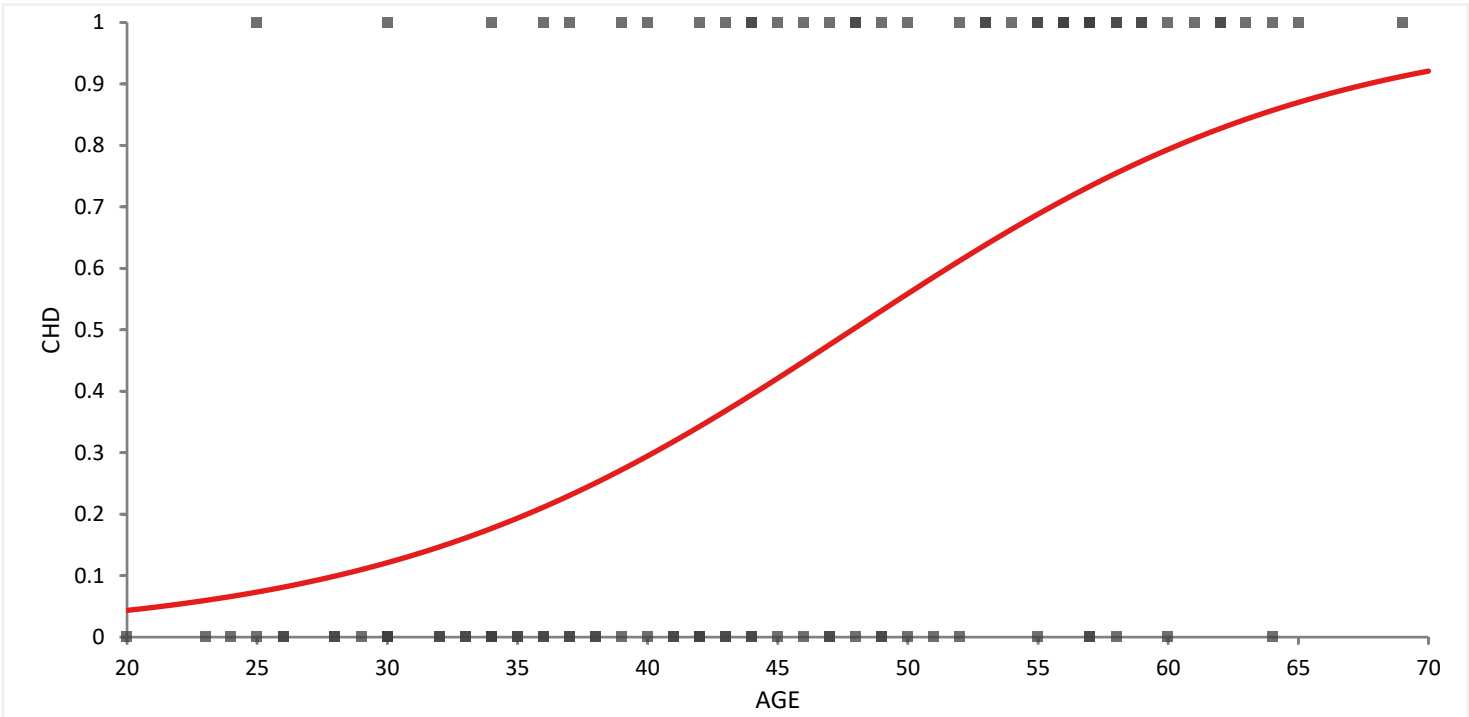




Fit Logit

N	100
CHD=0	57
CHD=1	43
Equation	logit(CHD) = -5.309 + 0.1109 AGE

Parameter	Estimate	Wald 95% CI	SE
Constant	-5.309	-7.531 to -3.088	1.1337
AGE	0.1109	0.06376 to 0.1581	0.024060

$\beta = \log \text{OR}_{(\text{CHD}=1)}$

Effect of Model

Source	-log Likelihood	DF	Likelihood ratio X ² statistic	p
Difference	14.655	1	29.31	<0.0001
Fitted model	53.677	98		
Null model	68.331	99		

H0: $g(x) = \beta_0$
The model is no better than a null model $Y=\pi$.
H1: $g(x) = \beta_0 + \beta x$
The model is better than the null model.

Effect of Terms

Hosmer & Lemeshow, Applied Logistic Regression, Table 1.1: coronary heart disease by age

Filter: No filter

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Term	-log Likelihood	DF	Likelihood ratio X ² statistic	p-value
AGE	14.655	1	29.31	<0.0001

H0: $\beta_{\text{Term}} = 0$
The term does not contribute to the model.
H1: $\beta_{\text{Term}} \neq 0$
The term contributes to the model.