

Model

Response Variable: 1 if people agree that it is definitely or probably true that “Because of the wickedness of Cain and other forefathers of the Negroes, these people carry the mark of a black skin and the curse of perpetual inferiority.”

$$y_i \sim \text{Bernoulli}(p_i) \quad \log\left(\frac{p_i}{1-p_i}\right) = \mathbf{x}_i' \boldsymbol{\beta} \quad (1)$$

	$\hat{\beta}$	Standard Error	P-value	
Intercept	-0.6673	0.2807	0.0174	*
Bible Score	-0.5493	0.0972	0.0000	***
Age	0.0186	0.0049	0.0001	***
Male	0.3279	0.1512	0.0301	*
Darwin	-0.3872	0.2296	0.0916	.
Bachelors	-0.3940	0.1882	0.0363	*
Advanced Degree	-0.9741	0.3023	0.0013	**
Orthodoxy	1.1053	0.1298	0.0000	***

Table 1: Coefficient estimates for our final logistic regression model

Statistical Result

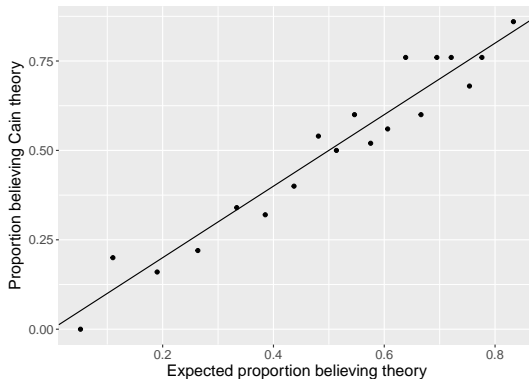


Figure 1: Expected responses from model vs. actual responses. Survey respondents binned in groups of 50.

Application Result

- ▶ Higher biblical knowledge corresponds to lower propensity for belief that black people are cursed.
- ▶ Hypothetical male: 47 y.o., high school educated, orthodox, doesn't believe in evolution
 - ▶ Biblical knowledge score of 0: 95% CI of (77.96%, 88.26%)
 - ▶ Biblical knowledge score of 3: 95% CI of (39.96%, 59.69%)
- ▶ Interesting given that many proponents of Curse of Cain theory cite Old Testament as basis of their belief when, in fact, those who are more informed about bible believe theory less.