Выбор модели

Удаляем	Модель	Adj R-squared
	Poverty ~ hs_grad + white + metro_res + female_house	0,61
female_house	Poverty ~ hs_grad + white + metro_res	0,62
metro_res	Poverty ~ hs_grad + white + female_house	0,54
white	Poverty ~ hs_grad + metro_res + female_house	0,60
hs_grad	Poverty ~ white + metro_res + female_house	0,38

Удаляем	Модель	Adj R-squared
	Poverty ~ hs_grad + white + metro_res	0,62
metro_res	Poverty ~ hs_grad + white	0,55
white	Poverty ~ hs_grad + metro_res	0,57
hs_grad	Poverty ~ white + metro_res	0,17

Итоговая модель

	Estimate	Std. Error	t value	Pr(>|t|)
(Intercept)	68.7	6.39	10.76	0.0000
white	-0.05	0.02	-2.48	0.0167
metro_res	-0.05	0.02	-2.93	0.0053
hs_grad	-0.57	0.08	-7.57	0.0000

Multiple R-squared: 0.6412,   Adjusted R-squared: 0.62

F-statistic (3,47) = 28, p-value < 0,01

$$\hat{Y} = 68{,}7 - 0{,}05 \cdot white - 0{,}05 \cdot metro\_res - 0{,}57 \cdot hs\_grad$$

Итоговая модель

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Анализ остатков