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11.220 Quantitative Reasoning & Statistical Methods for Planners I
Spring 2009

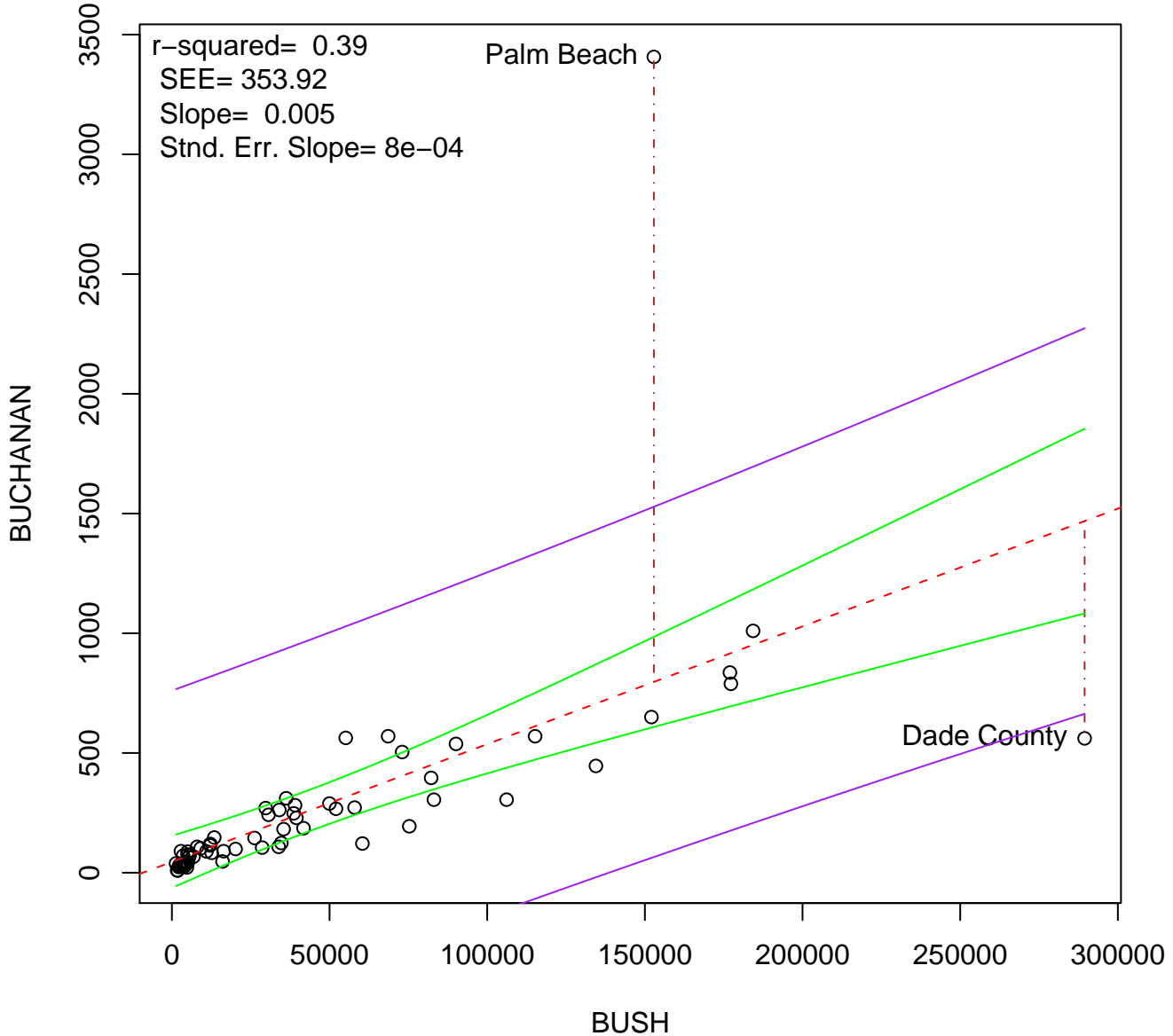
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Quantitative Reasoning and Statistical Methods

Ezra Glenn

April 16, 2009

2000 Presidential Election: Florida Votes

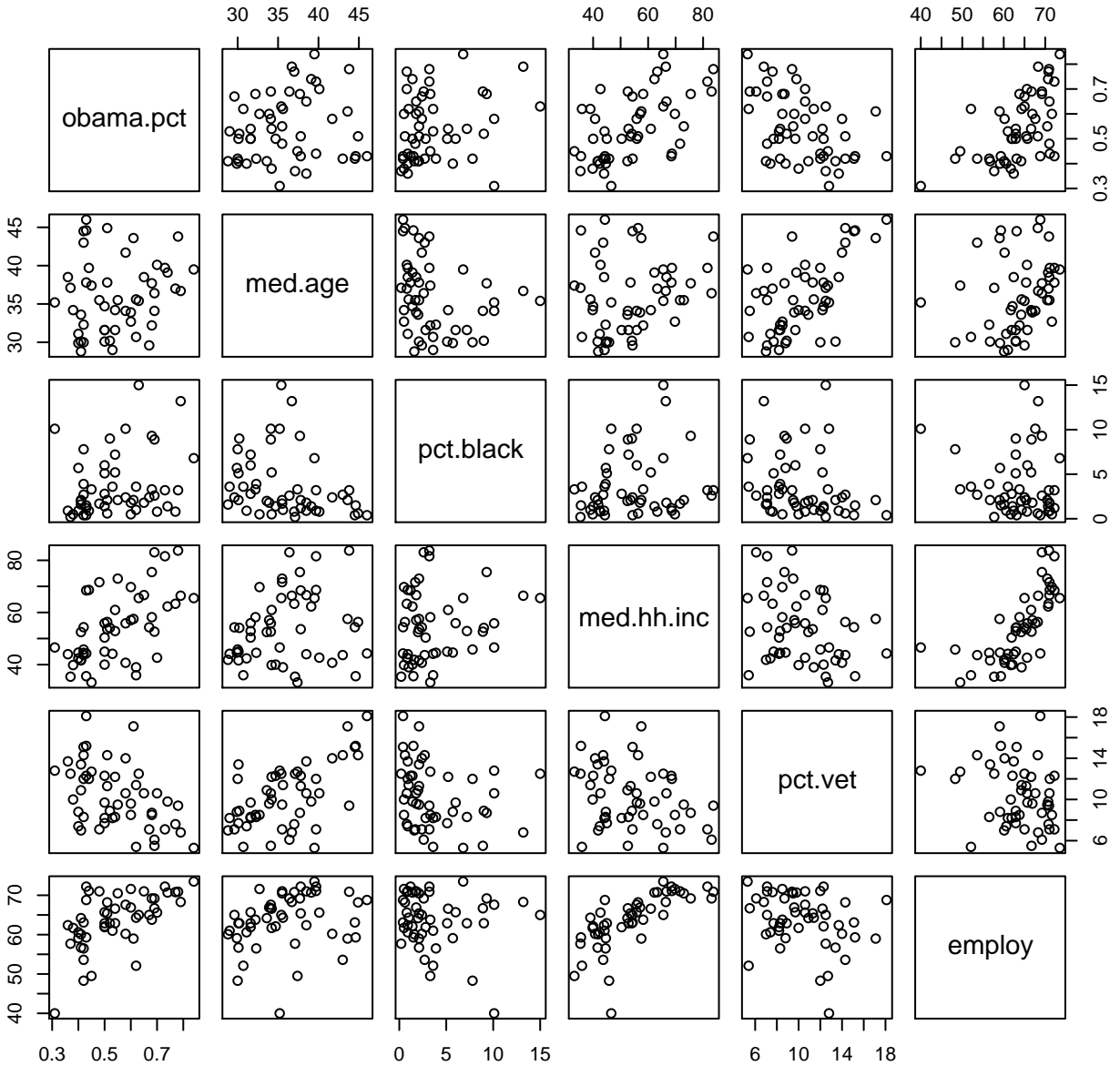


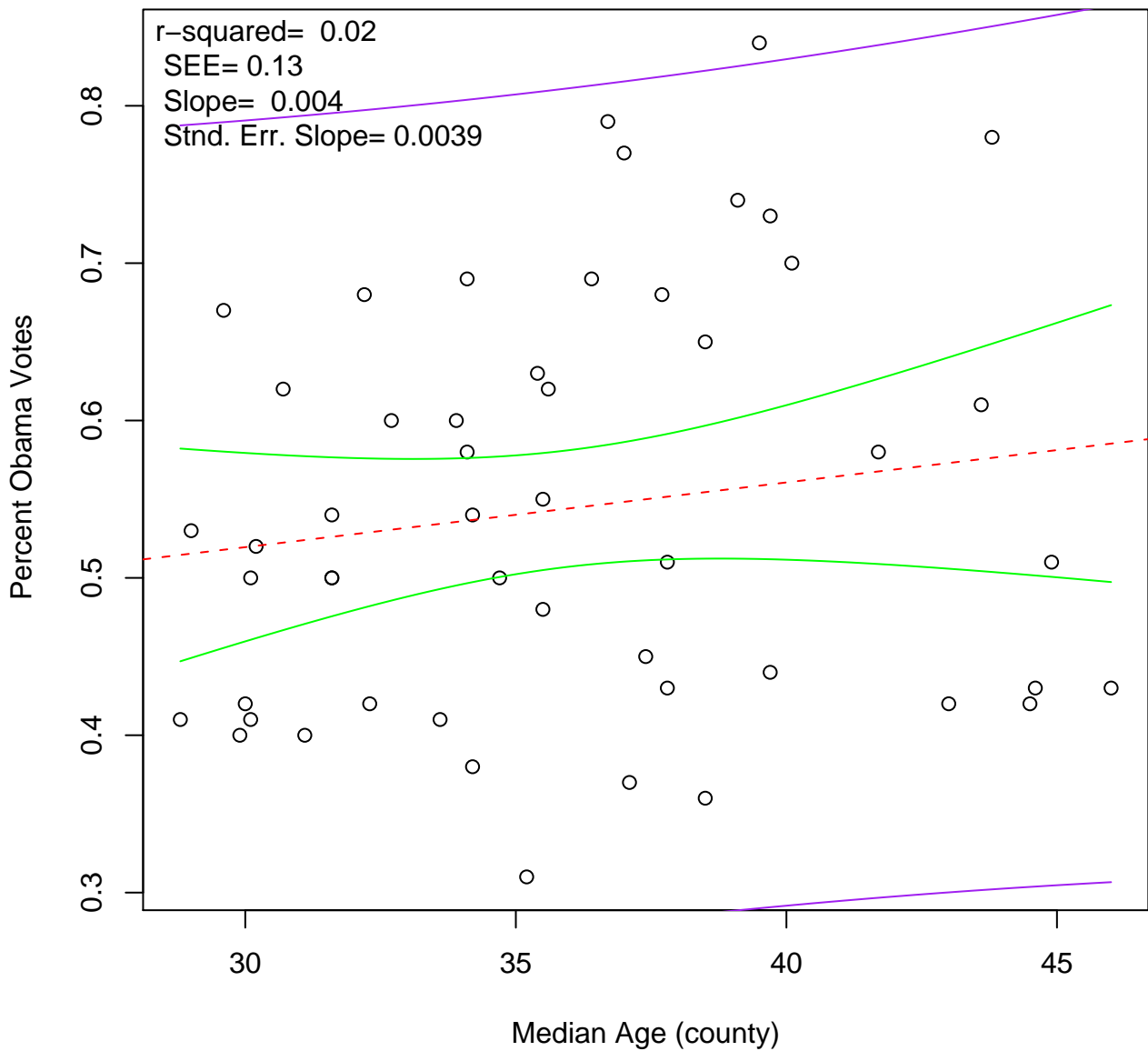
Source: UsingR for Introductory Statistics; cran data archive

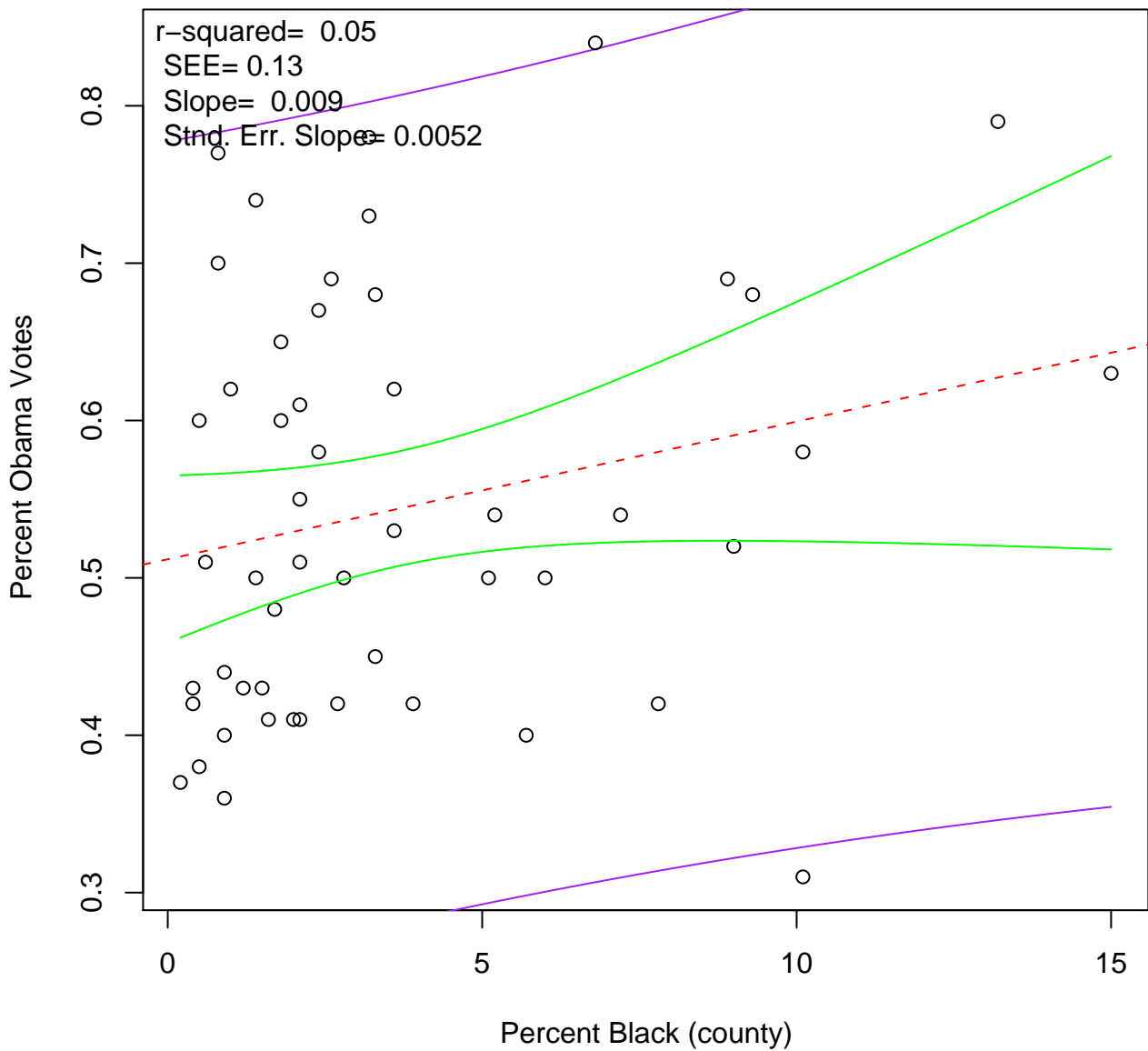
lm(formula = BUCHANAN ~ BUSH)

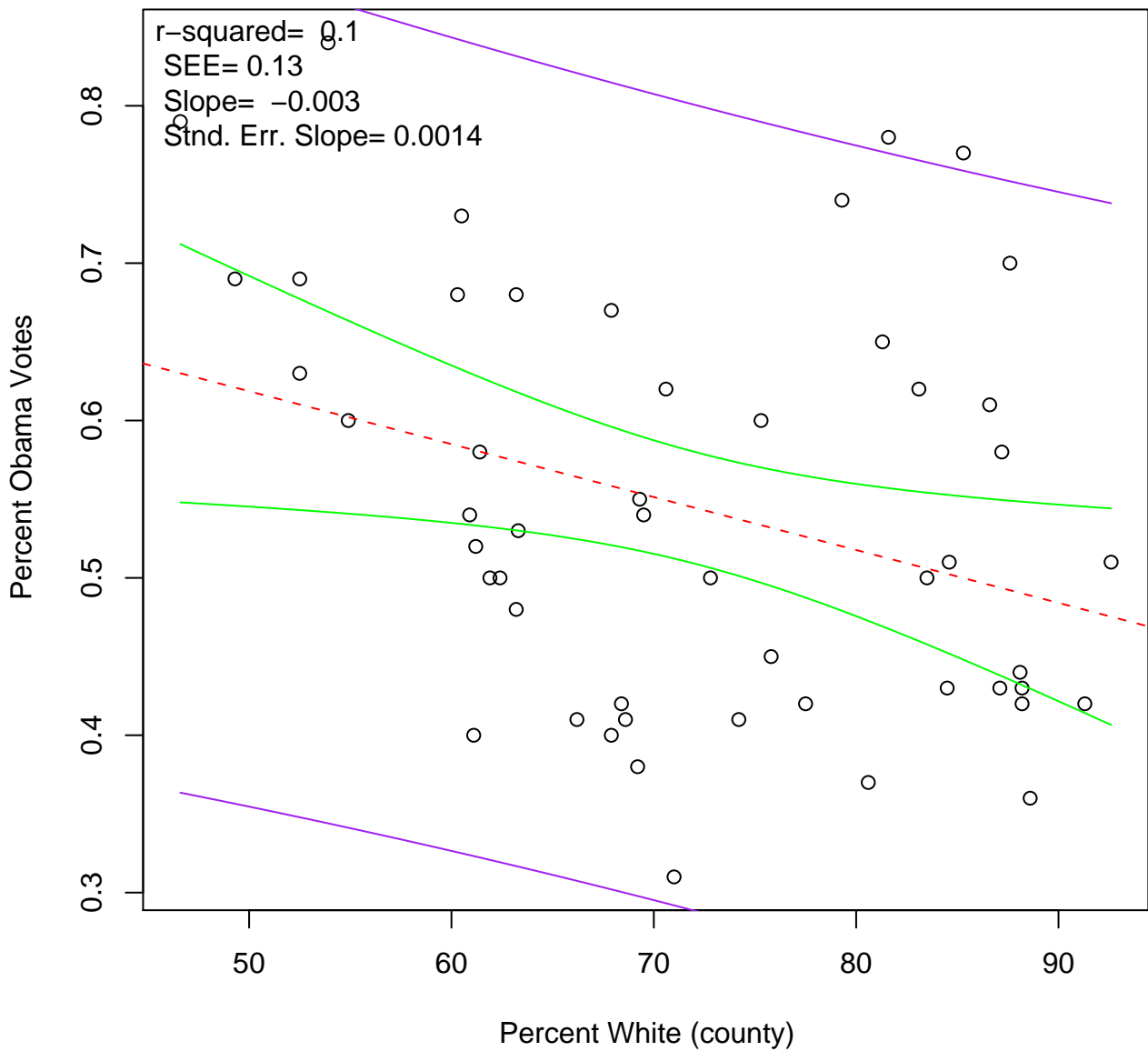
	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	45.2899	54.4794	0.83	0.4088
BUSH	0.0049	0.0008	6.43	0.0000

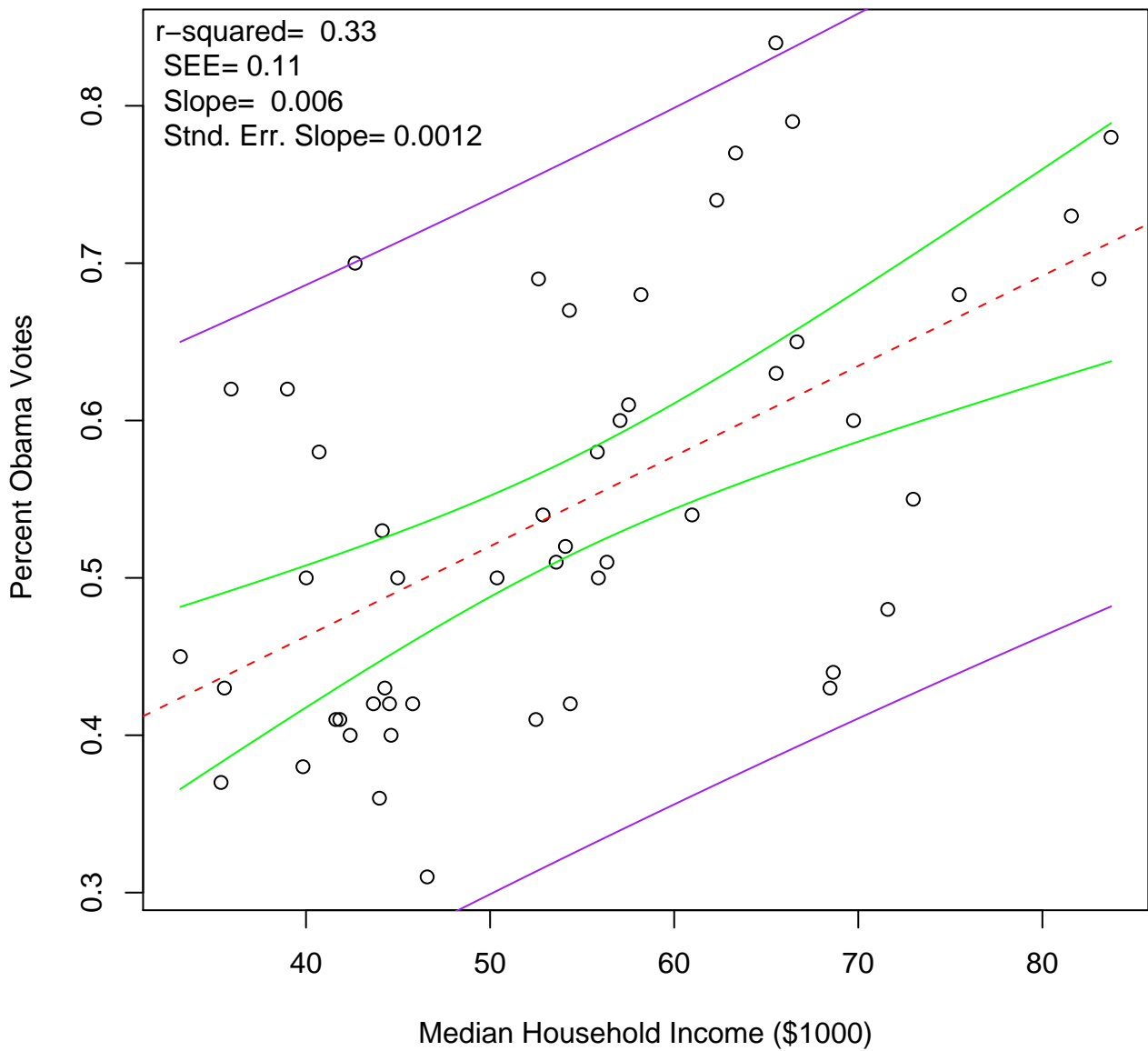
Scatterplot Matrix of California County Data

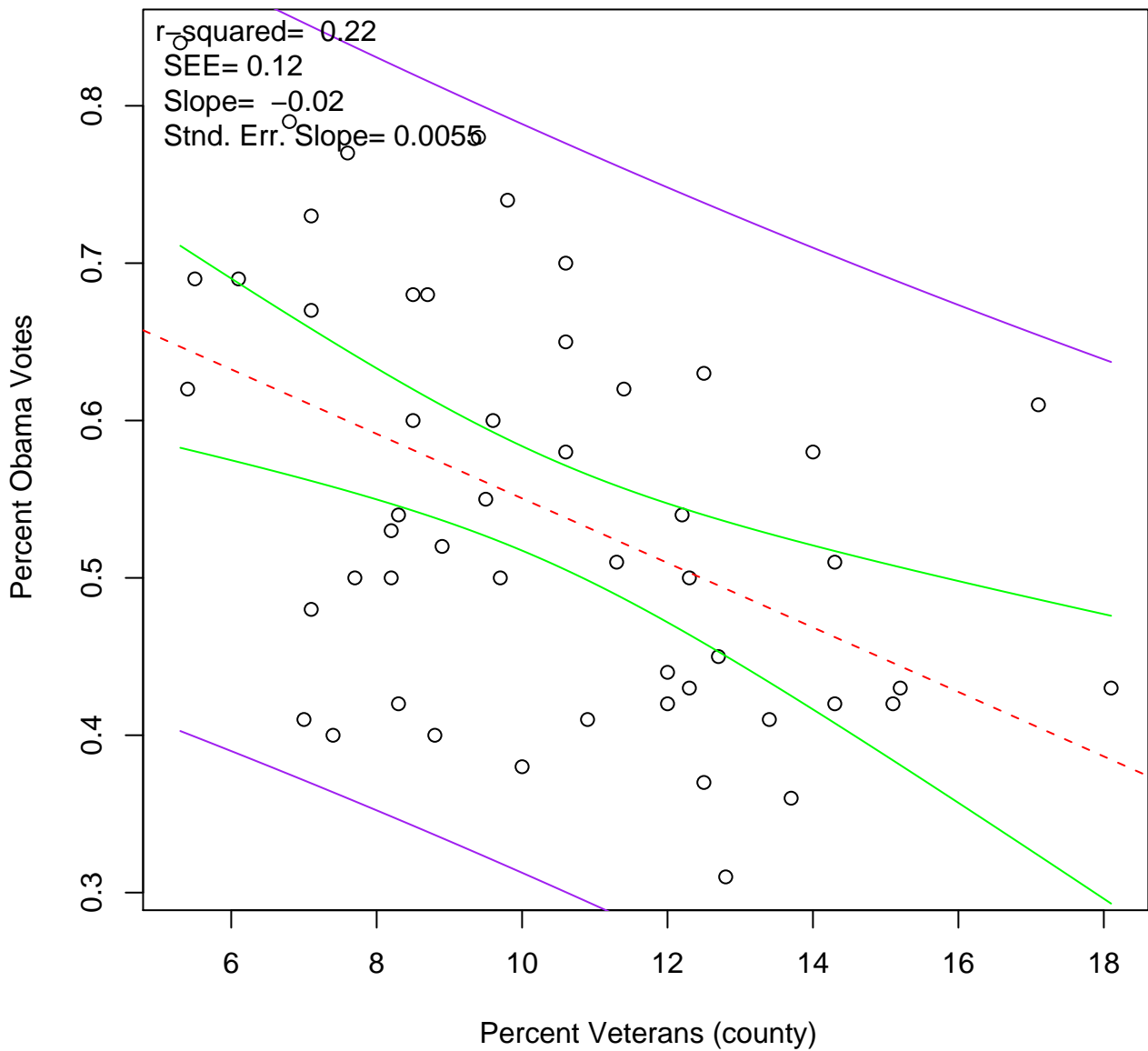


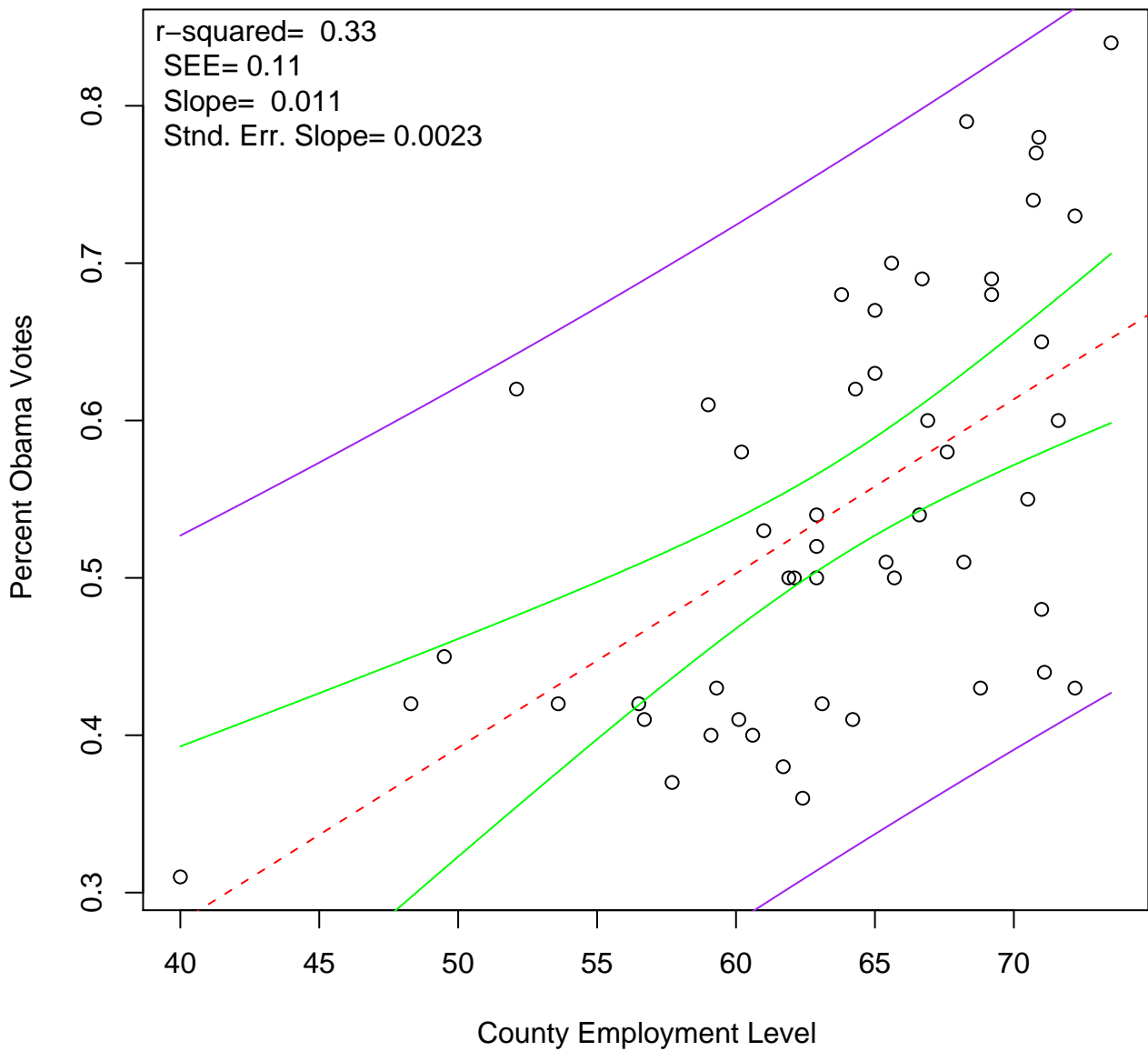


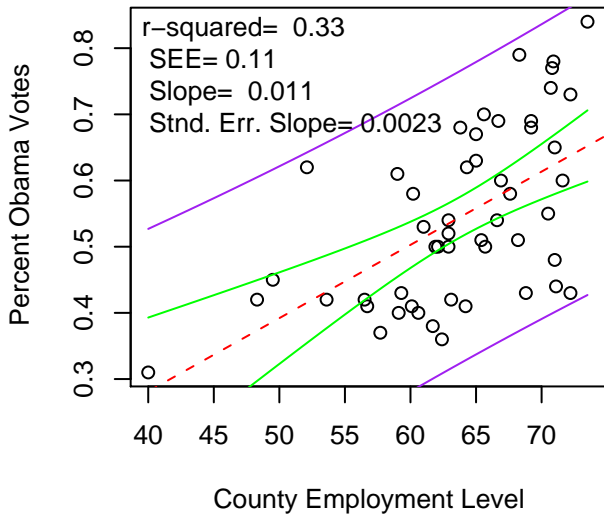
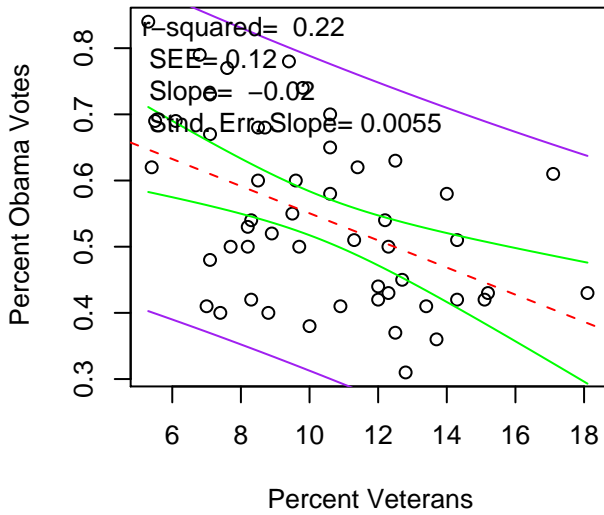
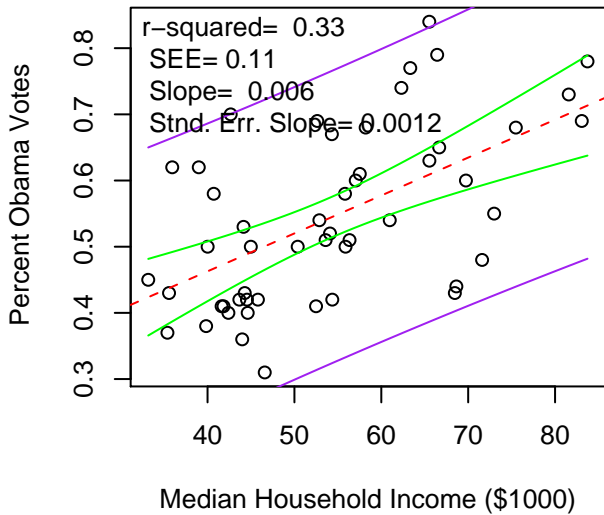
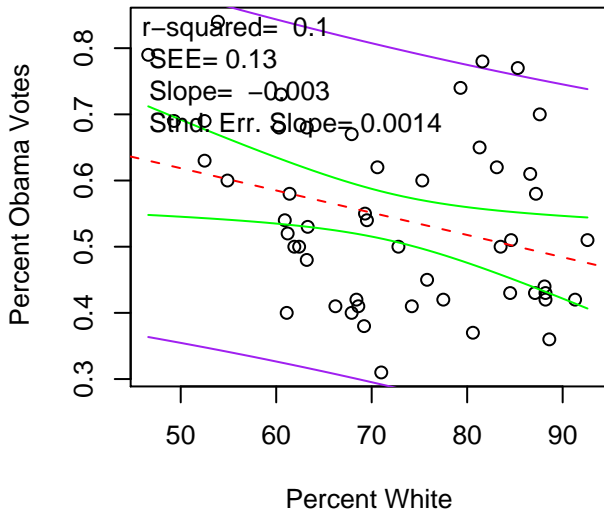


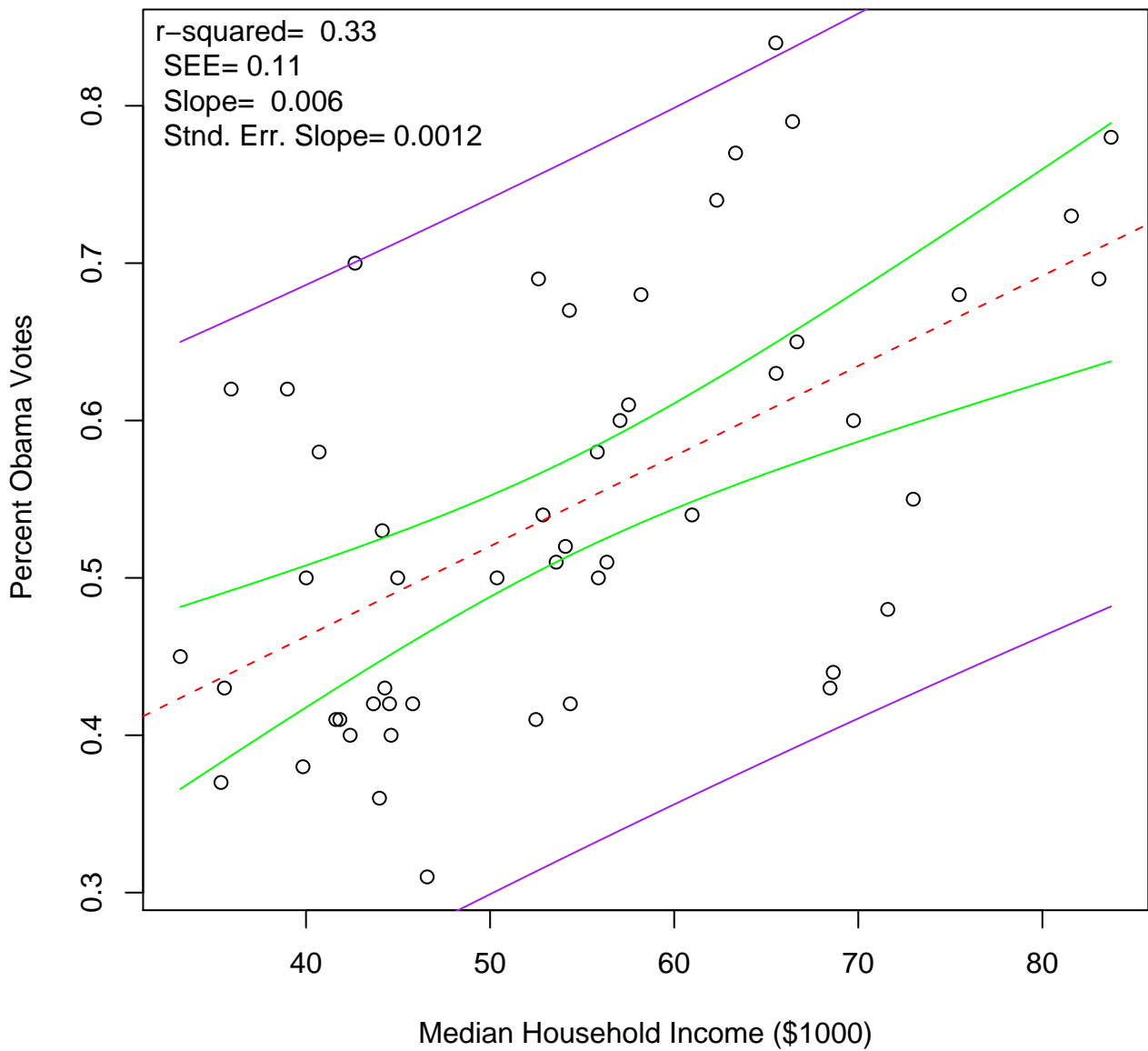


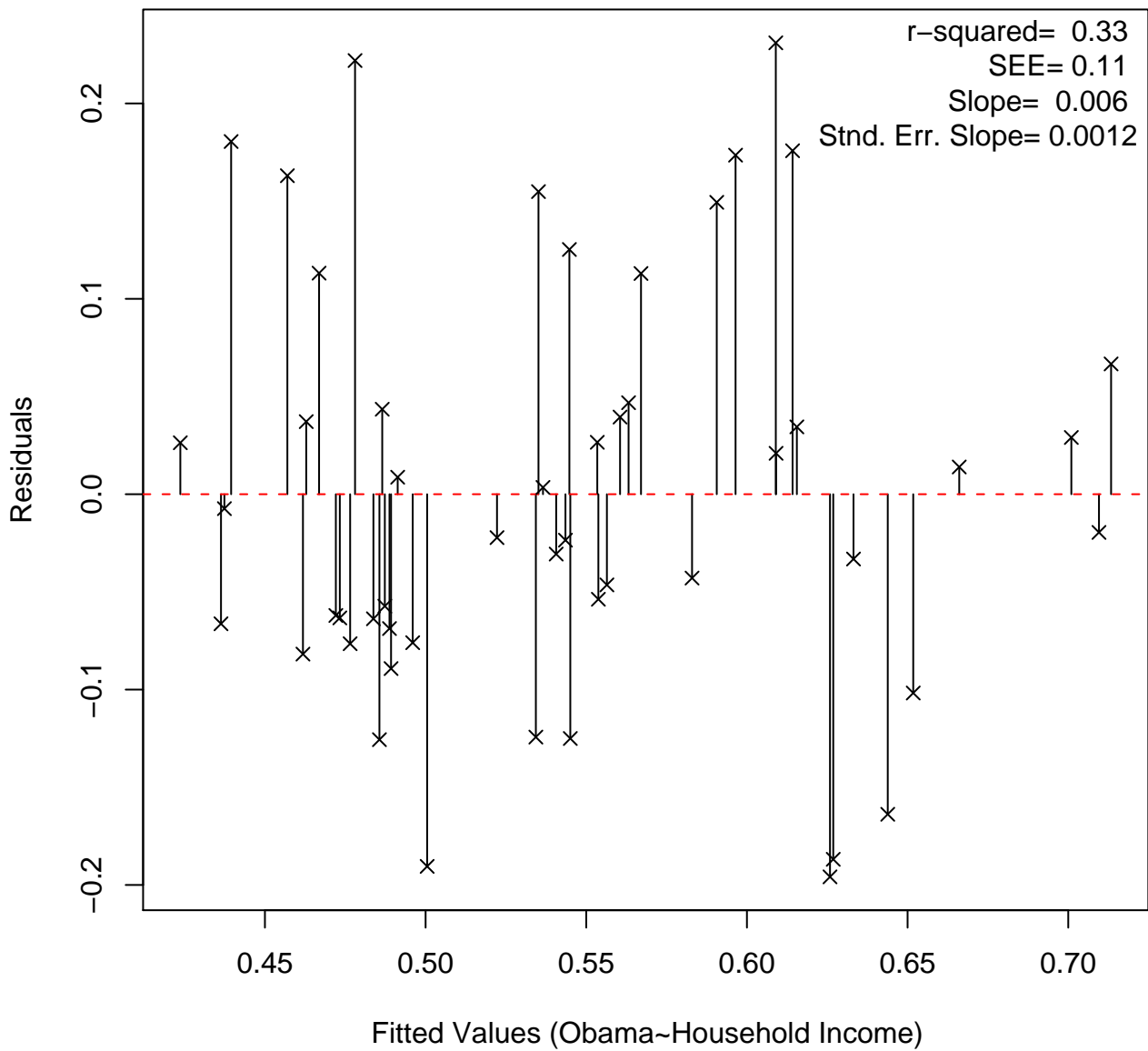






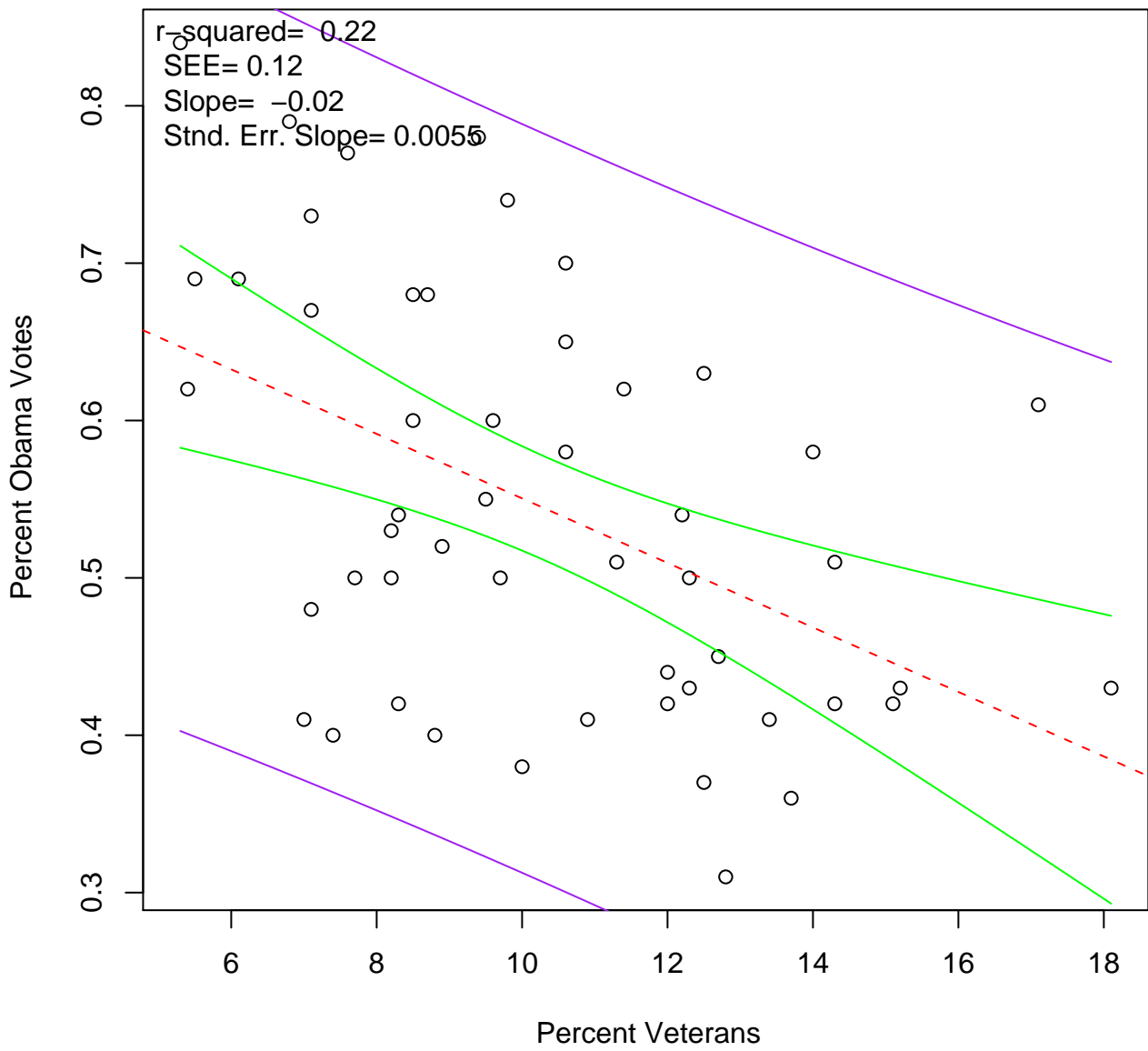


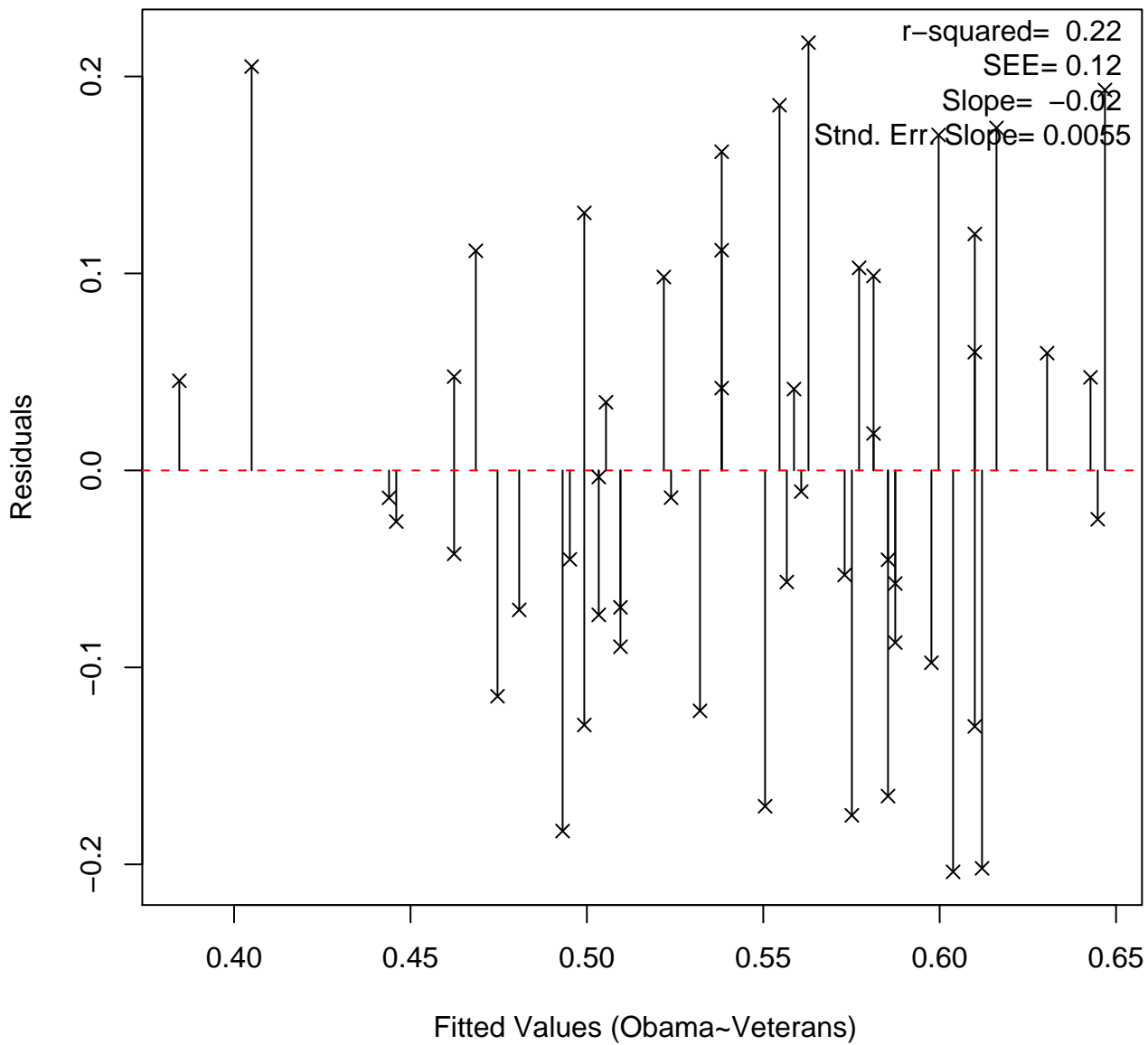




lm(formula = obama.pct ~ med.hh.inc)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.2336	0.0649	3.60	0.0007
med.hh.inc	0.0057	0.0012	4.92	0.0000



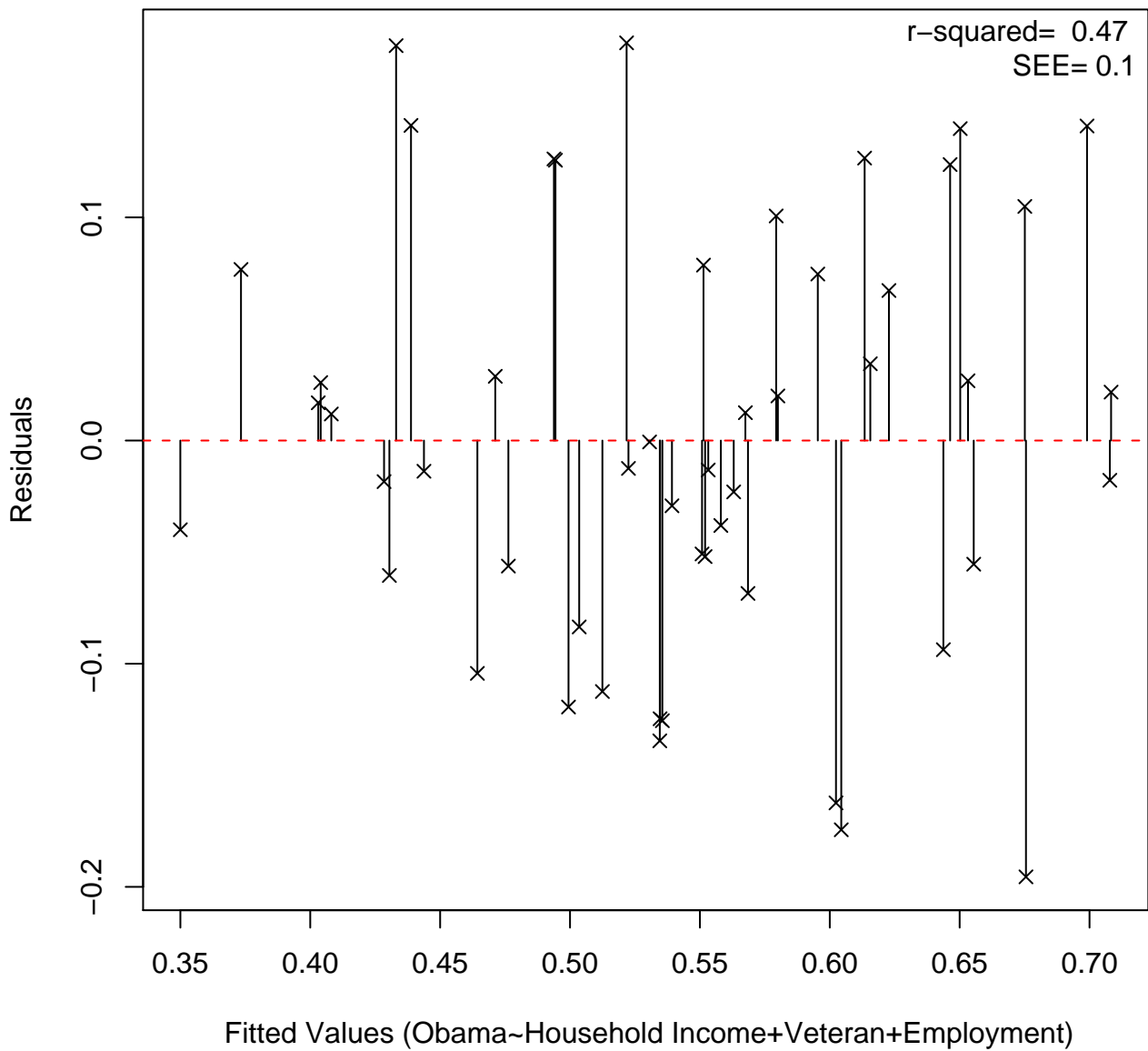


lm(formula = obama.pct ~ pct.vet)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.7555	0.0587	12.88	0.0000
pct.vet	-0.0205	0.0055	-3.76	0.0005

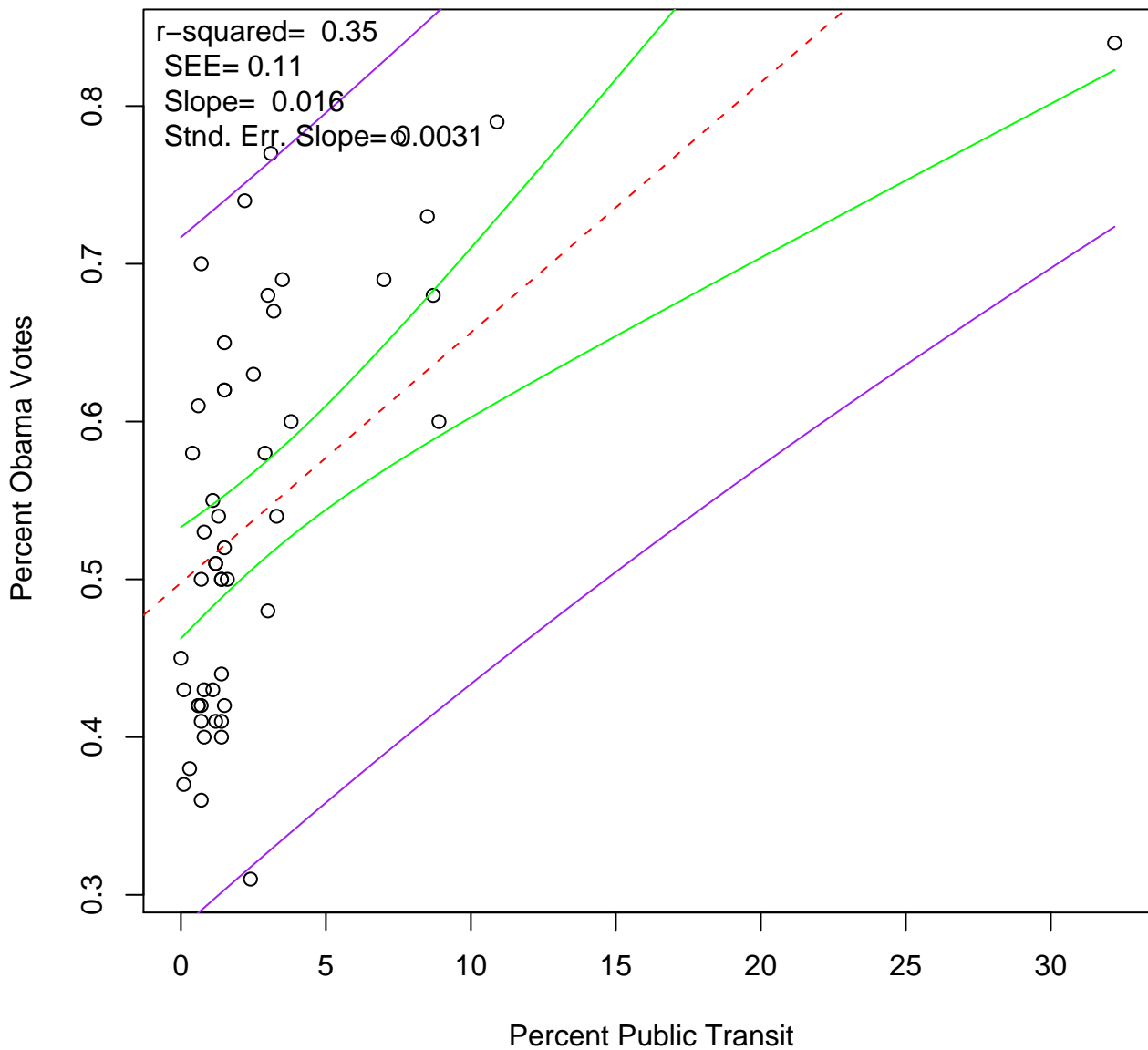
lm(formula = obama.pct ~ med.hh.inc + pct.vet)

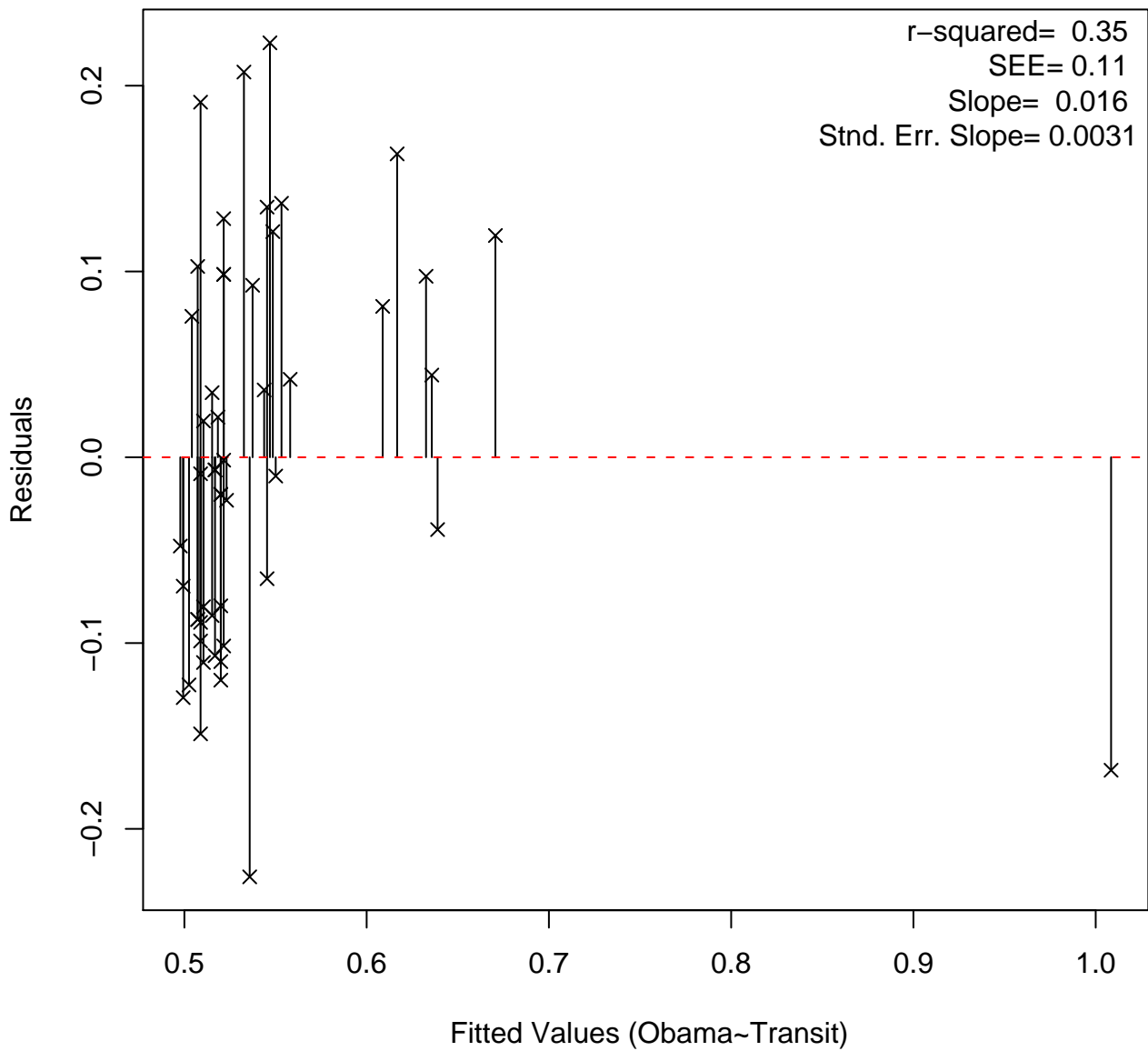
	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.4340	0.0932	4.66	0.0000
med.hh.inc	0.0047	0.0011	4.12	0.0001
pct.vet	-0.0141	0.0050	-2.83	0.0067

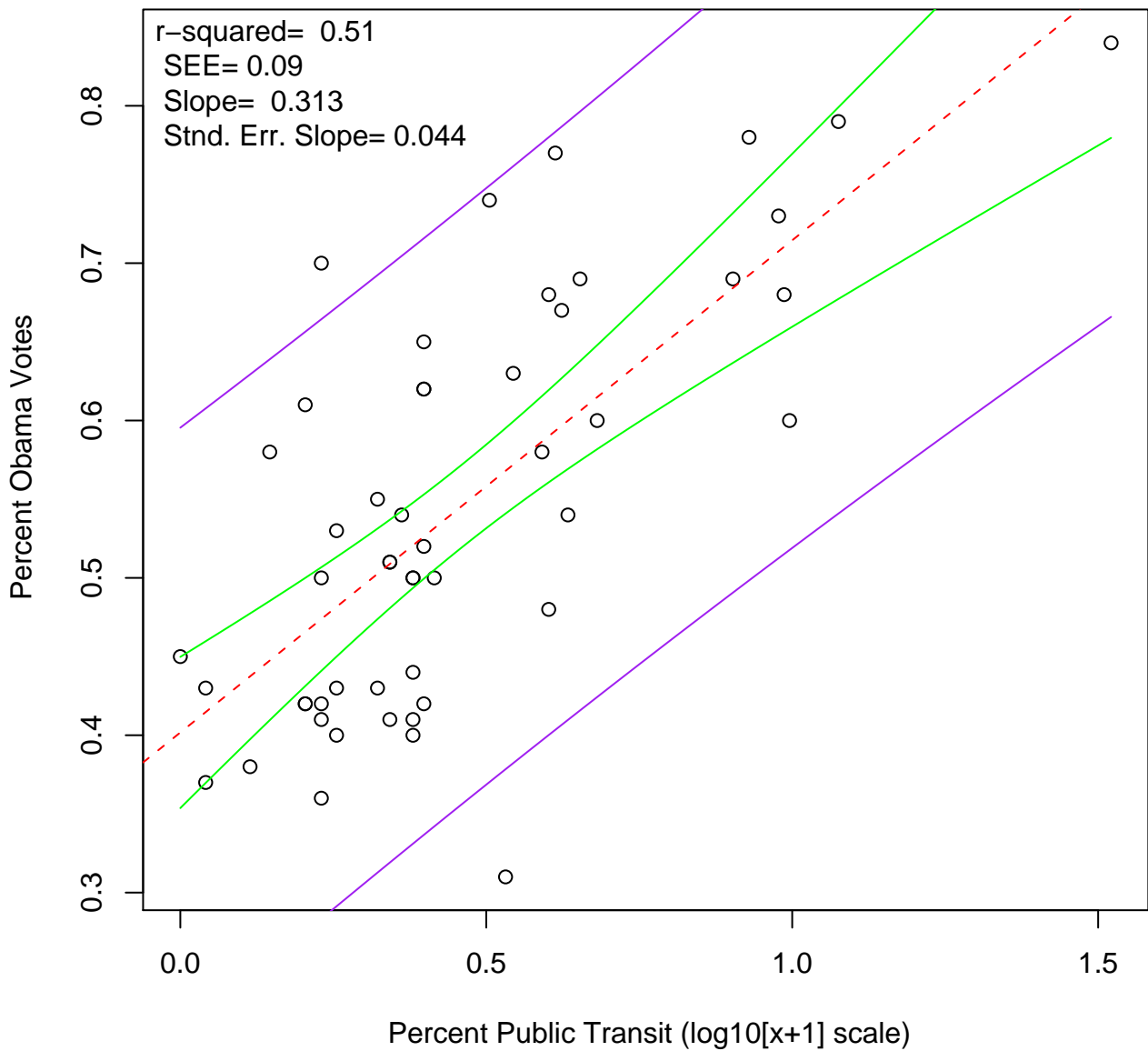


lm(formula = obama.pct ~ med.hh.inc + pct.vet + employ)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.1651	0.1598	1.03	0.3067
med.hh.inc	0.0026	0.0015	1.68	0.0997
pct.vet	-0.0135	0.0048	-2.79	0.0076
employ	0.0059	0.0029	2.04	0.0471

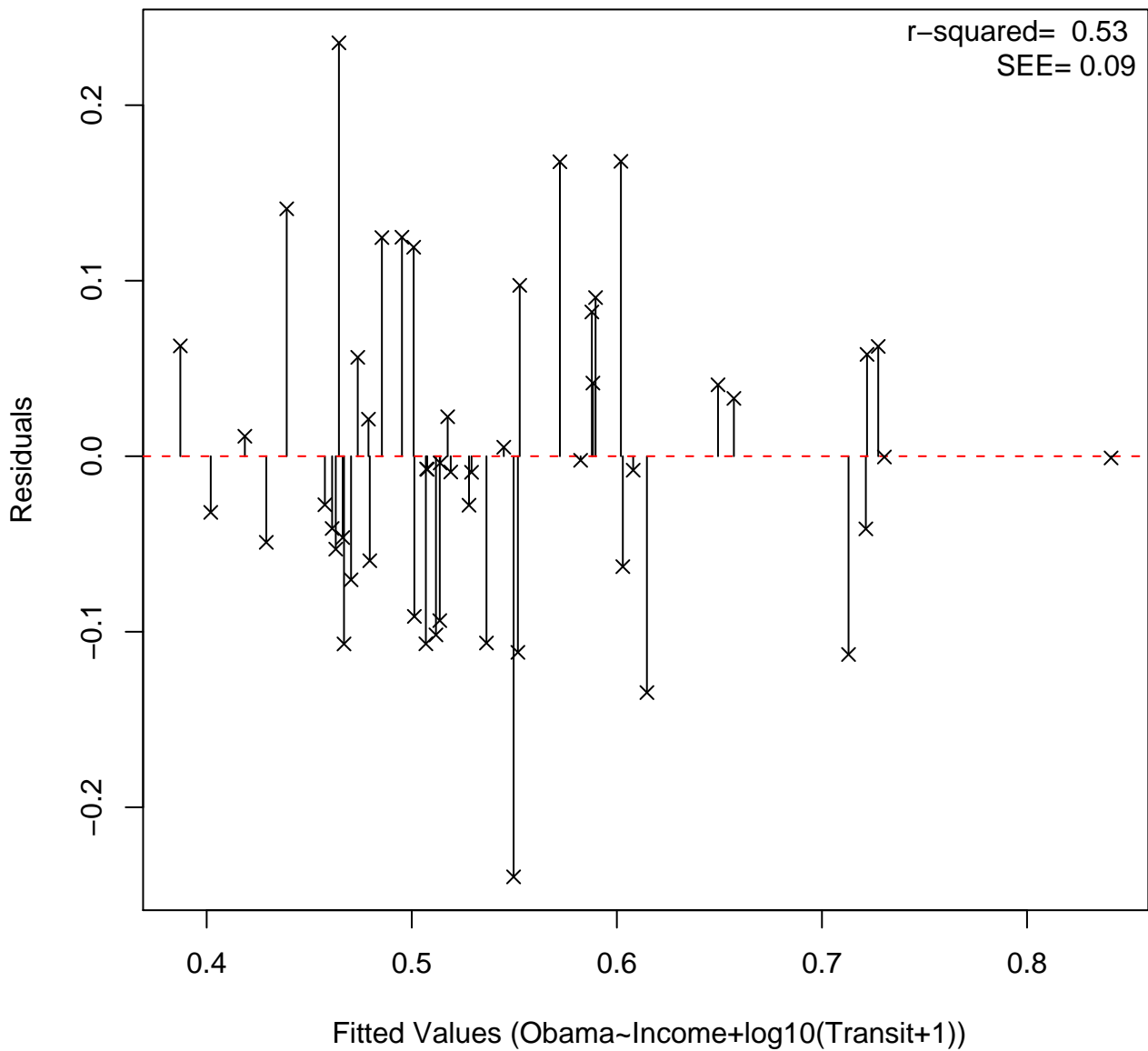






lm(formula = obama.pct ~ log.pub.trans)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.4017	0.0239	16.81	0.0000
log.pub.trans	0.3128	0.0440	7.10	0.0000



lm(formula = obama.pct ~ med.hh.inc + log.pub.trans)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.3252	0.0588	5.53	0.0000
med.hh.inc	0.0019	0.0013	1.42	0.1612
log.pub.trans	0.2586	0.0579	4.47	0.0000