

# Assignment 4 DCM - Voting Biden or Trump in the 2024 US Elections

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## Introduction

## Data and Methods

Table 1: Voting for Trump or Biden in the 2024 US Election: Descriptives Divided by Choice

Characteristic	Unchosen, N = 1,733	Chosen, N = 1,733
Age (in years)	60 (45, 68)	52 (45, 68)
Gender		
Female	854 (49%)	857 (49%)
Male	879 (51%)	876 (51%)
Education		
Baptist college	274 (16%)	255 (15%)
Community college	273 (16%)	264 (15%)
Ivy League university	243 (14%)	397 (23%)
No BA	379 (22%)	195 (11%)
Small college	282 (16%)	306 (18%)
State university	282 (16%)	316 (18%)
Profession		
Business owner	250 (14%)	330 (19%)
Car dealer	385 (22%)	190 (11%)
Doctor	276 (16%)	327 (19%)
Farmer	289 (17%)	266 (15%)
High school teacher	278 (16%)	313 (18%)
Lawyer	255 (15%)	307 (18%)

<sup>1</sup> Median (IQR); n (%)

*Note:* Data from Hainmueller et al., 2014 (collected July 2012)

## Results

Table 2: Voting for Trump or Biden in the 2024 US Election: Conditional Logistic Regression Models

Covariate	Model 1			Model 2			Model 3		
	Odds	95% CI	p-value	Odds	95% CI	p-value	Odds	95% CI	p-value
Age (in years)	0.98	0.98, 0.99	<0.001	1.10	1.05, 1.16	<0.001	1.10	1.05, 1.16	<0.001
Age Squared				1.00	1.00, 1.00	<0.001	1.00	1.00, 1.00	<0.001
Education									
No BA							—	—	
Baptist college							1.83	1.41, 2.38	<0.001
Community college							1.77	1.38, 2.27	<0.001
Ivy League university							3.13	2.43, 4.03	<0.001
Small college							2.06	1.60, 2.66	<0.001
State university							2.25	1.75, 2.89	<0.001
Profession									
Car dealer							—	—	
Business owner							2.60	2.01, 3.35	<0.001
Doctor							2.42	1.89, 3.11	<0.001
Farmer							1.80	1.40, 2.31	<0.001
High school teacher							2.17	1.69, 2.80	<0.001
Lawyer							2.27	1.77, 2.91	<0.001

<sup>1</sup> CI = Confidence Interval

*Note:* Data from Hainmueller et al., 2014 (collected July 2012). The units for the age term is years. The reference category for Education is No Bachelor's degree and Car Dealer for Profession.

Table 3: Voting Trump or Biden in the 2024 US Elections: Model Fit Statistics

	Model 1	Model 2	Model 3
Log Likelihood	-1183.11	-1172.74	-1084.6
AIC	2368.23	2349.49	2193.19
BIC	2373.69	2360.41	2258.69
Likelihood Ratio		20.74	176.3
Likelihood Ratio (Df)		1	10
Likelihood Ratio (p-value)		5.27e-06	1.38e-32

*Note:* The Likelihood ratio is always calculated with the nested model to the left. Data from Hainmueller et al., 2014 (collected July 2012)

## Conclusions

please tell me this works

Fig. 1

