Part IIA Paper 3 Project

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Q1. Vaccination take-up rates: Inter-State differences in the USA in 2021.

At the end of 2021 the share of the population fully vaccinated against Covid-19 differed widely across US States.

a) Identify and evaluate the main economic and social factors giving rise to this outcome.

b) On the basis of your answer to a), suggest how high vaccination rates might be achieved across the entire United States.

101 words

1 Introduction

Hello world hi hi hello d

Table 1: Cross-Section Regression

	(1) Two Doses, 31 December b/se	(2) Standardized beta	(3) One Dose, 31 December b/se	(4) Two Doses, 1 June b/se	(5) Standardiz... beta
...votes2020pct	-0.52***	-0.65	-0.60***	-0.31***	-0.35
	(0.03)		(0.04)	(0.03)	
...iteevangelical	-0.03	-0.03	-0.05	-0.04	-0.03
	(0.06)		(0.07)	(0.05)	
...holic	0.11*	0.09	0.14**	-0.02	-0.02
	(0.04)		(0.05)	(0.04)	
...ck	-0.25***	-0.29	-0.27***	-0.16***	-0.17
	(0.03)		(0.04)	(0.03)	
...verty	-0.15	-0.07	-0.14	-0.13*	-0.05
	(0.08)		(0.10)	(0.06)	
...edincome	2.22	0.04	1.33	4.01	0.07
	(2.96)		(3.46)	(2.28)	
...l	4.19	0.04	6.37	0.41	0.00
	(3.41)		(4.19)	(3.01)	
...p60to79	0.18*	0.06	0.20*	0.31***	0.10
	(0.08)		(0.10)	(0.06)	
...ove80	0.73***	0.08	0.43	0.53**	0.06
	(0.21)		(0.26)	(0.17)	
...lcollege	0.10*	0.07	0.11*	0.11***	0.08
	(0.04)		(0.05)	(0.03)	
...es_per_capita	57.27***	0.11	55.28**	52.05**	0.09
	(15.05)		(16.87)	(16.25)	
...ural_rating	0.00	0.00	0.00	0.00	0.00
	(.)		(.)	(.)	
...ural_rating	0.20	0.00	1.00	1.12*	0.03
	(0.55)		(0.66)	(0.54)	
...ural_rating	-0.20	-0.01	-0.21	0.60	0.01
	(0.58)		(0.71)	(0.52)	
...ural_rating	-0.57	-0.01	-0.92	0.76	0.01
	(0.71)		(0.90)	(0.58)	
...ural_rating	0.08	0.00	-0.47	1.54*	0.02
	(0.87)		(1.13)	(0.76)	
...ural_rating	-0.24	-0.01	-0.28	0.78	0.02
	(0.63)		(0.76)	(0.56)	
...ural_rating	-0.38	-0.01	0.10	1.07	0.03
	(0.76)		(0.94)	(0.63)	
...ural_rating	-1.48	-0.03	-2.10	0.59	0.01
	(0.92)		(1.11)	(0.79)	
...ural_rating	-0.96	-0.03	-1.00	0.56	0.01
	(0.87)		(1.06)	(0.69)	
...ns	2.87		4.21	-11.61	
	(41.54)		(50.46)	(33.07)	
	3075	3075	3075	3075	3075

Table 2: Coefficient Change Over Time

	(1) fullvaxpct	(2) fullvaxpct
c.t c.repvotes2020pct	-0.0323***	-0.0489***
	(0.00321)	(0.00558)
c.t c.whiteevangelical	0.00238	0.0148
	(0.00515)	(0.00792)
c. c.catholic	0.0198***	0.0131*
	(0.00415)	(0.00651)
c.t c.black	-0.0112***	-0.00437
	(0.00266)	(0.00460)
c.t c.poverty	-0.00860	-0.0691***
	(0.00704)	(0.0118)
c.t c.lmedincome	-0.223	-1.213**
	(0.277)	(0.401)
c.t c.lcol	1.087***	2.204***
	(0.238)	(0.466)
c.t c.pop60to79	-0.0158*	-0.0426***
	(0.00664)	(0.0115)
c.t c.above80	0.0135	-0.00855
	(0.0190)	(0.0300)
c.t c.fullcollege	-0.00415	0.0173**
	(0.00414)	(0.00643)
c.t c.cases_per_capita	0.417	3.850*
	(1.271)	(1.787)
c.t2 c.repvotes2020pct		0.00139**
		(0.000496)
c.t2 c.whiteevangelical		-0.00104
		(0.000745)
c.t2 c.catholic		0.000559
		(0.000658)
c.t2 c.black		-0.000566
		(0.000459)
c.t2 c.poverty		0.00504***
		(0.00108)
c.t2 c.lmedincome		0.0825*
		(0.0413)
c.t2 c.lcol		-0.0931*
		(0.0398)
c.t2 c.pop60to79		0.00224*
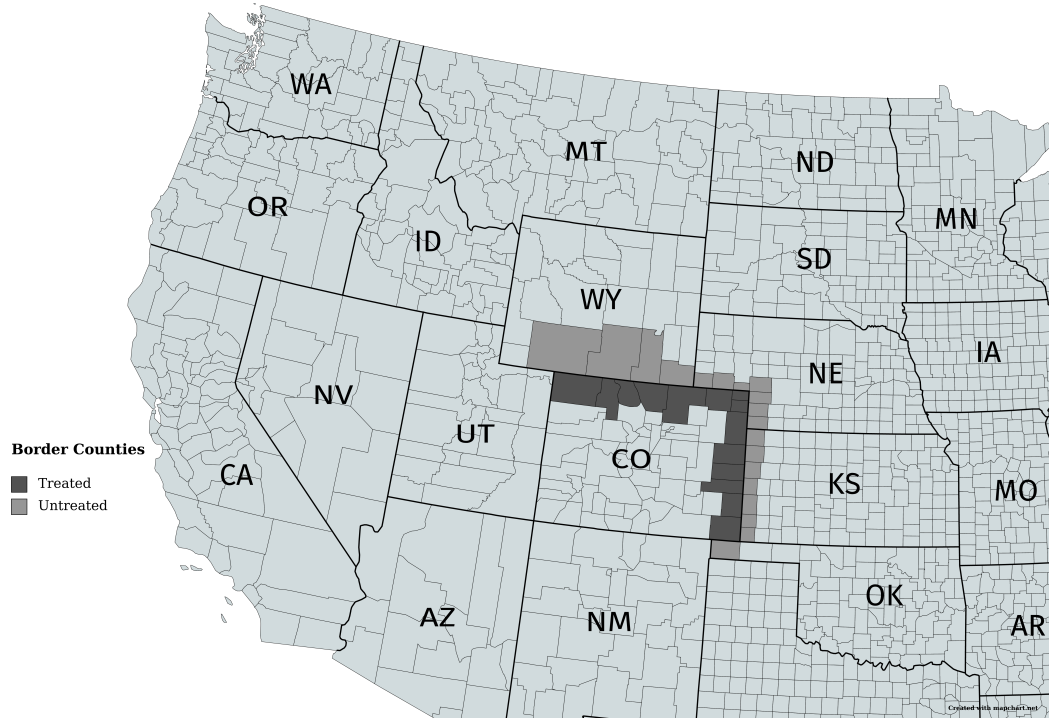
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Figure 1: Counties in Pair Design

Table 3: Summary Statistics

	(1) Treated mean	(2) Untreated mean	(3) Pair Differences mean	(4) Nationwide SD sd
repvotes2020pct	72.87	80.46	8.65	16.03
black	0.82	0.72	0.67	14.79
fullcollege	24.75	24.51	7.12	9.54
cases_per_capita	0.04	0.06	0.03	0.02
whiteevangelical	31.79	32.67	6.65	12.64
catholic	13.79	15.89	4.45	10.03
poverty	12.81	11.74	3.13	5.78
median_family_income_2020	68923.79	69379.73	11087.17	16720.16
pop60to79	21.72	21.87	3.61	4.58
above80	5.37	5.98	1.75	1.50
N	14	18	62	3075

Table 4: Effect of Colorado Vaccine Lottery

	(1) fullvaxpct	(2) dose1pct	(3) dFullvaxpct	(4) dDose1pct
treated	0.0315 (0.116)	1.696 (1.814)	0.00712 (0.0239)	0.0332 (0.0187)
N	1178	1178	1178	1065

Standard errors in parentheses

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$