ONLINE APPENDIX

Has Consumer Acceptance of Electric Vehicles Been Increasing? Evidence from Microdata

on Every New Vehicle Sale in the United States

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Appendix 1: Summary Statistics

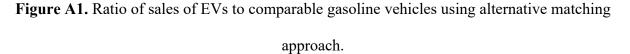
	Min	Max	Mean	Standard Deviation	Sales- Weighted Mean			
VIN-level sales data (2014-2020)								
Annual Vehicle Sales	11,967,246	16,920,140	15,126,985	2,053,686	-			
Annual EV Sales	40,022	218,457	130,517	74,673.85	-			
Average MSRP	11.54	119.57	47.34	21.79	36.12			
(1,000 2021 USD) Average EV MSRP	25.42	119.56	54.07	25.9	57.18			
(1,000 2021 USD) Average EV Price (1,000 2021 USD)	17.13	111.09	46.99	26.63	51.52			
Vehicle Demographic Data (2017-2021)								
Annual Vehicles	4,171,546	11,545,976	9,251,101	3,047,115	-			
Annual EVs	46,469	129,998	101,050.8	33,699.65	-			
Income (1,000 nominal USD)	86.63	180.57	120.28	17.87	-			
Share College Educated	0.28	0.65	0.39	0.06	-			
Share Urban	0.31	1	0.79	0.17	-			
Share Single-Family Home	0.55	0.96	0.88	0.08	-			

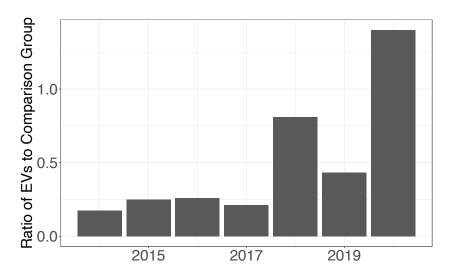
Table A1. Summary statistics.

Demographic statistics (income and share income, college-educated, urban, and single-family home) are calculated at the state-year level.

Appendix 2: Matching Analysis

We compare EV sales to comparable sales of conventional vehicles using two approaches. In addition to the propensity score matching discussed in the main text, we confirm the results are robust to a direct matching-on-observables approach (see Figure A1). For each electric vehicle, we find the conventional vehicles that minimize the sum of the distance between attributes (scaled by standard deviation). The attributes are the same as those used in the matching on observables. The matches for the most popular EV of each year from the matching-onobservables approach are shown in Table A2, and the matches from the propensity score matching approach are shown in Table A3.





Year	EV Make	EV Model	Matched Make	Matched Model
2014	Tesla	Model-S	Jaguar	XJ
			Lexus	L 460
			Jaguar	XJL
2015	Nissan	Leaf	Toyota	Prius
			Toyota	Prius C
			Volkswagen	Golf
2016	Tesla	Model-S	Audi	A7 (gasoline)
			Audi	A7 (diesel)
			Audi	A8 L
2017	Chevrolet	Bolt-EV	Volkswagen	Golf GTI
			Lexus	СТ 200Н
			Volkswagen	Golf
2018	Tesla	Model-3	Ford	Taurus
			Buick	Regal Sportback
			Jaguar	XE
2019	Tesla	Model-3	Ford	Taurus
			Kia	Cadenza
			Jaguar	XE
2020	Tesla	Model-3	Kia	Cadenza
			Lexus	ES 350
			Jaguar	XE

 Table A2. Comparison vehicles for most popular EVs each year (matching on observables).

Year	EV Make	EV Model	Matched Make	Matched Model
2014	Tesla	Model-S	BMW	5 Series
			BMW	3 Series
			Lincoln	MKZ Hybrid
2015	Nissan	Leaf	Lexus	CT 200H
			Toyota	Prius C
			Toyota	Prius
2016	Tesla	Model-S	Audi	A8 L
			Audi	S7
			Maserati	Quattroporte
2017	Chevrolet	Bolt-EV	Smart	Fortwo
			Toyota	Prius C
			Toyota	Prius
2018	Tesla	Model-3	Nissan	Versa
			Honda	Pilot
			Kia	Sorento
2019	Tesla	Model-3	Ford	Ranger
			Nissan	Maxima
			Ford	Escape
2020	Tesla	Model-3	BMW	2-Series
			Jeep	Wrangler
			Buick	Encore

Table A3. Comparison vehicles for most popular EVs each year (propensity score matching).