Table 1: County Vaccine Uptake Predictive Performance by Inclusion/Exclusion of Groups of Features

Features		Only this Category		All but this Category		Cumulatively Include Categories	
Category	Count	RMSE	% Reduction	RMSE	% Reduction	RMSE	% Reduction
voting	6	8.6	-24.1%	**7.34**	**-35.2%**		
housing	2955	8.8	-22.3%	7.3	-35.5%	8.6	-24.1%
masking	5	9.33	-17.6%	7.21	-36.3%	7.88	-30.4%
race	8038	8.51	-24.9%	7.2	-36.4%	7.59	-33.0%
healthcare_services	4	9.73	-14.1%	7.18	-36.6%	7.26	-35.9%
disabilities	561			7.18	-36.6%	6.98	-38.4%
economy_employment	138	8.99	-20.6%	7.15	-36.9%	7.07	-37.6%
transportation	1803			7.15	-36.9%	7.23	-36.2%
population	7621	10.8	-4.2%	7.13	-37.0%	7.35	-35.1%
family_structure	2143	11.3	-0.1%	7.13	-37.0%	7.07	-37.6%
mobility_safegraph	6	9.78	-13.6%	7.11	-37.2%	7.16	-36.8%
age	8052	10.9	-3.6%	7.11	-37.3%	7.3	-35.5%
insurance	860	10.4	-7.8%	7.09	-37.4%	6.98	-38.4%
amenities	404			7.07	-37.5%	6.96	-38.6%
religion	143	8.91	-21.4%	7.07	-37.6%	6.92	-38.9%
sex	9968			7.06	-37.7%	6.94	-38.7%
education	1236	8.41	-25.8%	7.04	-37.8%	6.98	-38.4%
households	5090	8.56	-24.5%	7.03	-38.0%	6.82	-39.8%
google_mobility	3	9.49	-16.2%	7.02	-38.0%	6.85	-39.5%
vaccine_supply	7	11.1	-1.8%	7.01	-38.1%	6.79	-40.1%
military	1447	10.7	-5.8%	7	-38.2%	6.9	-39.1%
longer_term_mobility	761			7	-38.2%	6.86	-39.5%
occupation	4408	9.14	-19.3%	7	-38.2%	6.77	-40.2%
vaccine_demand	2	9.4	-17.0%	6.97	-38.5%	6.82	-39.8%
wealth_employment	6874	8.94	-21.1%	6.97	-38.5%	6.81	-39.8%
marriage	1503			6.97	-38.5%	**6.74**	**-40.5%**
foreign_born	1316	10.7	-5.5%	6.95	-38.7%	6.78	-40.2%
covid	4	10.4	-8.0%	6.93	-38.8%	6.82	-39.8%