Can you predict the rate of vaccine acceptance in U.S. states?

There is now a vaccine for COVID-19. Acceptance of the vaccine is a key factor in the fight against COVID-19. There is significant geographical variation in the acceptance of the vaccine. This dataset presents an opportunity to explore potential predictors for the acceptance of the vaccine in the various states of the United States.

Data has been collected from Carnegie Mellon University's COVIDcast (https://delphi.cmu.edu/covidcast/) project by the Delphi research group and from the KFF (Kaiser Family Foundation) (https://www.kff.org/statedata/custom/).

The data are contained in covid.csv:

predictors: 50 x 16

name	description
uninsured	Percentage of Uninsured
total_private_health_insurance_spending	Total Private Health Insurance Spending (2014)
number_of_births	Number of Births (2019)
infant_mortality_rate	Infant Mortality Rate (2018)
firearms_death_rate	Firearm Death Rate per 100,000 Residents (2018)
median_annual_household_income	Median Annual Household Income (2019)
governor_political_affiliation	Governor Political Affiliation
state_senate_majority_political_affiliation	State Senate Majority Political Affiliation
state_house_majority_political_affiliation	State House Majority Political Affiliation
total_gross_state_product	Total Gross State Product (millions of current dollars)
unemployment_claims	Unemployment Claims, Week of 8/28/2021
average_monthly_snap_participants	Average Monthly SNAP Participants 2019
smoking	Percent of Adults Who Smoke (2017)
drug_overdoses	Drug Overdose Death Rate (per 100,000 population, 2019)
hospital_inpatient_day_expenses	Hospital Adjusted Expenses per Inpatient Day (2019)
population	Total US Population (2019)

response: 50 x 1

name	description
vaccinated_or_accept	Vaccine acceptance among COVIDcast survey respondents (August 2021)