# Project : COVID-19 Vaccine Tracker

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# ABSTRACT

Predictive Model in R for tracking and predicting release of COVID-19 vaccine.

In the current situation of pandemic due to COVID-19 our predictive model will let the users to track on all leading

pharmaceutical groups, organizations, medical research institutes, biotechnological companies like Novavax, Bharat Biotech, Moderna, Johnson and Johnson, CanSino Biologics,etc. on their progress on developing vaccine for SARS-CoV-2. Our predictive model will predict which organization will be able to produce vaccine sooner. Our model will produce outputs such as ranked list of the organizations, which will also mention vaccine name, mechanism used, sponsor of the vaccine, Trial Phase, Institution name, predicted release date, announced release date, side effects till now (if human trials have started), effectiveness of the vaccine, etc. Also our model will produce plots such as plot on progress versus time of different organizations, vaccine effectiveness versus organization names,etc.

Our model will serve as a relief to the people by giving them an option to use the model to track COVID-19 vaccine and predict its release date with high precision.