Idea to suggest what locations should receive better resources/priority access to COVID-19 vaccine (sourced by any company) for booking based on the speed @ people in that province are getting fully vaccinated.

Implementation Use lines of best fit & the intersection points to make predictions for which areas deserve priority.

Algorithm - linear regression
- Calculates average slope of each output to the original input (different colour)

Data Collection

vaccinations over time for {
- different ages
- different zones
}
- Canada
- Alberta
- nationally
- provincially

Vaccination rates over time for each province.
Based on percenta & ngte net number of people.

Projected: How it works

1. Vaccine percentage is graphed against time.
2. Different lines of best fit correspond to different age/zone categories
3. Program will interpret intersection points of different slope lines & suggest what ages/zones in Alberta should have improved exposure to vaccine rollout

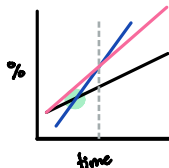**Intersections** x-value of intersection points indicate time @ which vaccination percentages are the same. Based on when each province started vaccinating, each province has a particular 'stopcheck' for % vaccinations that they should meet. That time gets compared to the current time of the intersection point, & a suggestion is made to the government to send more vaccines/resources to that province.

Sample Graph

Alberta
British Columbia
Nova Scotia
Ontario

intersections:
vaccination #s
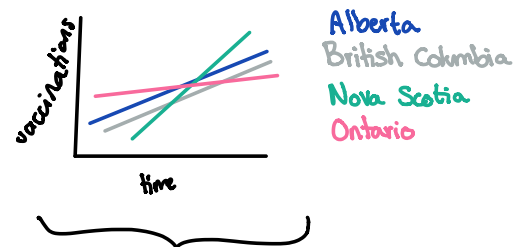are same for age
graphs @ particular time.

Specifics

Intersection point x-value > stopcheck value

↳ Increase vaccine resources for province w/ initially lower values
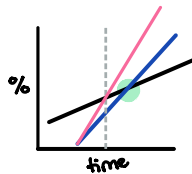
Intersection point x-value < stopcheck value

↳ Increase vaccine resources for province w/ initially higher values