

WHEN WILL EVERY CANADIAN BE VACCINATED?

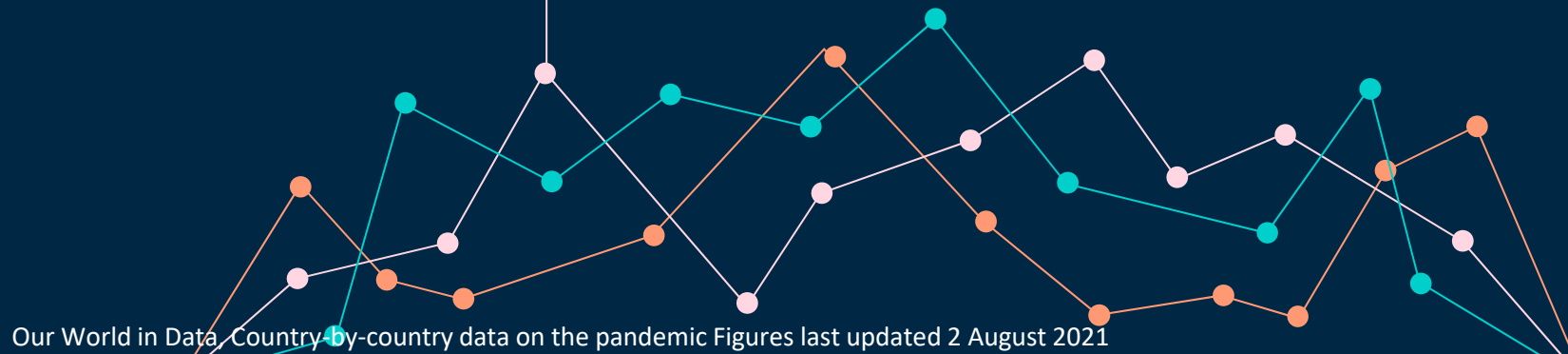
**SCIFAA DATA SCIENCE
PRESENTATION**

By: Juwairiah Zia

WHAT'S HAPPENING TODAY?

1,431,605

COVID-19 CASES in
Canada



RESEARCH FOR DATA AND INSIGHTS

Data Source

- Our World in Data
- People_vaccinated_per_hundred : the number of people vaccinated in a group of 100 in a day

Time line

- December 2020 to July 2021

Assumptions

- Age group of people: 12+ and 18+
- Dose: At least one COVID-Dose or both

Computation Software

- R programming

	Number	Country	Code	people_vaccinated_per_hundred	Date
2812	1	Canada	CAN	0.00	2020-12-15
2813	2	Canada	CAN	0.01	2020-12-16
2814	3	Canada	CAN	0.02	2020-12-17
2815	4	Canada	CAN	0.03	2020-12-18
2816	5	Canada	CAN	0.03	2020-12-19
2817	6	Canada	CAN	0.03	2020-12-20
2818	7	Canada	CAN	0.06	2020-12-21
2819	8	Canada	CAN	0.07	2020-12-22
2820	9	Canada	CAN	0.09	2020-12-23
2821	10	Canada	CAN	0.12	2020-12-24
2822	11	Canada	CAN	0.12	2020-12-25
2823	12	Canada	CAN	0.13	2020-12-26
2824	13	Canada	CAN	0.14	2020-12-27
2825	14	Canada	CAN	0.16	2020-12-28
2826	15	Canada	CAN	0.19	2020-12-29
2827	16	Canada	CAN	0.22	2020-12-30
2828	17	Canada	CAN	0.26	2020-12-31
2829	18	Canada	CAN	0.27	2021-01-01
2830	19	Canada	CAN	0.29	2021-01-02

Data Index presenting people vaccinated in Canada from 15/Dec/2020 to 14/Jun/2021

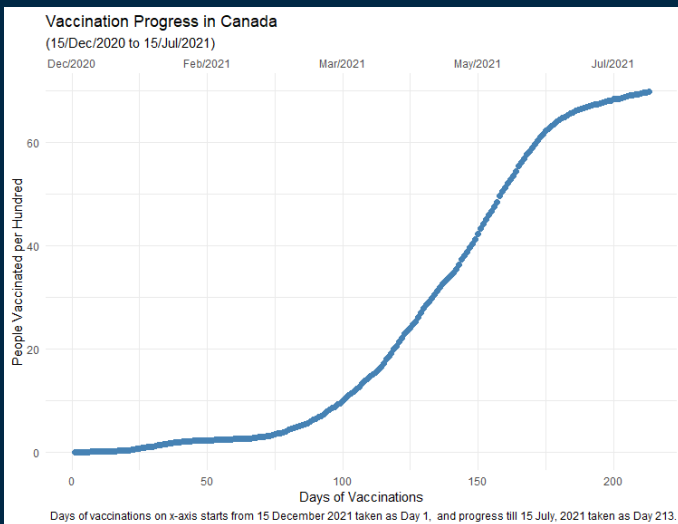
Source: Share of people who received at least one dose or more doses of COVID-19 vaccine. (n.d.). Our World in Data.

Retrieved July 12, 2021, from <https://ourworldindata.org/grapher/share-people-vaccinated-covid>

THE STORY DATA TELLS

THE PRESENT

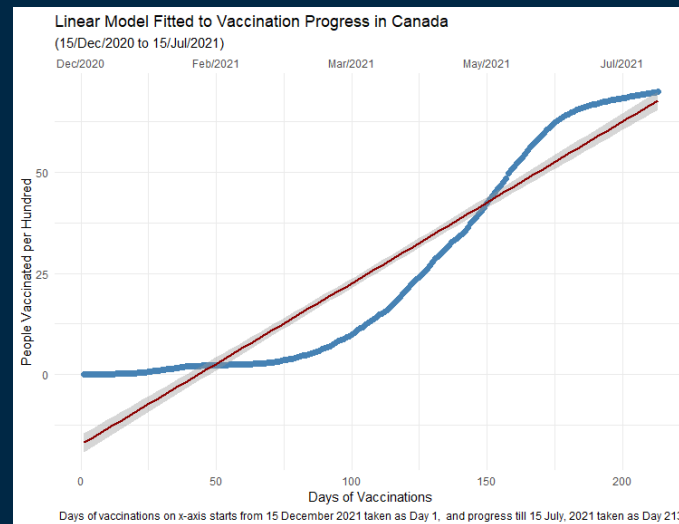
- The number of people vaccinated increases with time in Canada
- Linear relationship between people receiving vaccine and time and going strong



Scatter plot for linear relationship between people vaccinated per hundred in Canada with time (Dec 2020 to July 2021)

THE FUTURE

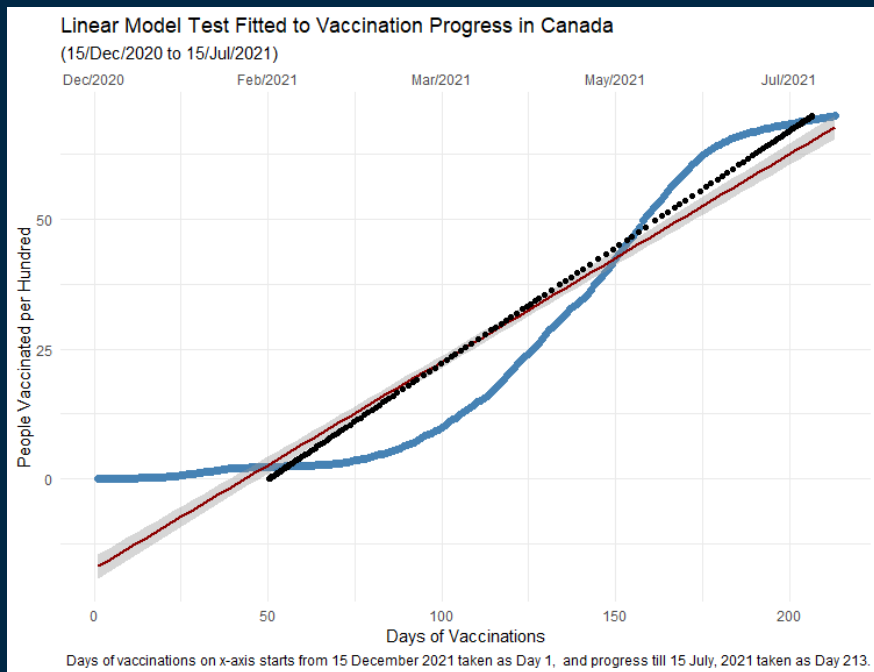
- Forecasting the future of vaccination progress next month
- Predicting time when people vaccinated per 100 reach to 100



Regression line (red) on the data (blue) to forecast future relationship between people vaccinated per hundred in Canada with time

PREDICTION

When Will Canada be Vaccinated Completely?



ANSWER

14 September 2021

Model Accuracy is:
8 out of 10 times

Testing model with prediction and estimated results presented as scatter plot (black)

The background is a dark blue field decorated with a pattern of thin white vertical lines and small squares in teal, pink, and orange. The squares are scattered across the frame, some solid and some outlined. The text is centered horizontally.

Do you have any questions?

THANKS