Covid-19 Modelling Results, as at 24 April 2020

CANADA

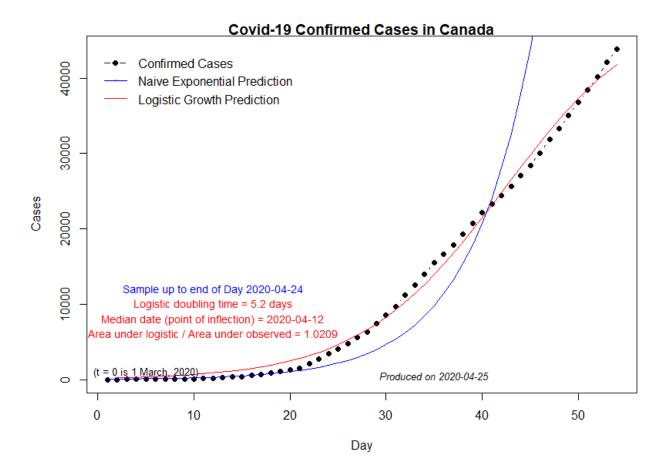
1. Total Confirmed Cases

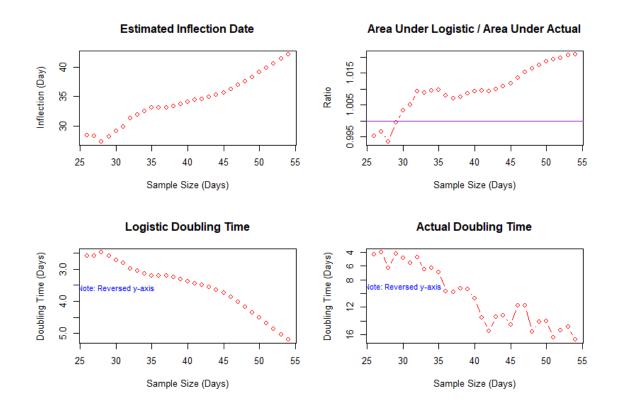
My R code for Covid-19 modelling is at

https://raw.githubusercontent.com/DaveGiles1949/r-code/master/Canadian Covid-19 Cases.R

The code will automatically download the latest data from my github account.

The chart below shows results based on data from 2 March to 24 April inclusive.





Projected Cases, Up to 1 Week Ahead

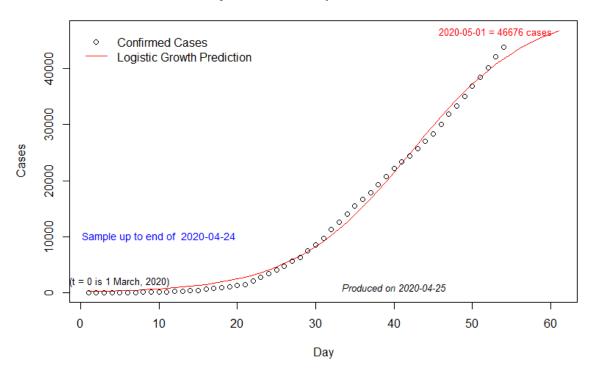


Table 1: Projected Covid-19 Cases in Canada (Projections are in Blue; Actual Values are in Brackets)

Sample end (projection made): 20 April								
21 Apr	22 Apr	23 Apr	24 Apr	25 Apr	26 Apr	27 Apr		
35811 [38422]	36536 [40190]	37181 [42110]	37753 [43888]	38258	38702	39091		
Sample end (projection made): 21 April								
22 Apr	23 Apr	24 Apr	25 Apr	26 Apr	27 Apr	28 Apr		
37447 [40190]	38196 [42110]	38867 [43888]	39464	39994	40463	40877		
Sample end (projection made): 22 April								
23 Apr	24 Apr	25 Apr	26 Apr	27 Apr	28 Apr	29 Apr		
39135 [42110]	39911 [43888]	40609	41234	41791	42287	42727		
Sample end (projection made): 23 April								
24 Apr	25 Apr	26 Apr	27 Apr	28 Apr	29 Apr	30 Apr		
40911 [43888]	41720	42452	43110	43701	44229	44699		
Sample end (projection made): 24 April								
25 Apr	26 Apr	27 Apr	28 Apr	29 Apr	30 Apr	1 May		
42704	43543	44306	44996	45617	46176	46676		

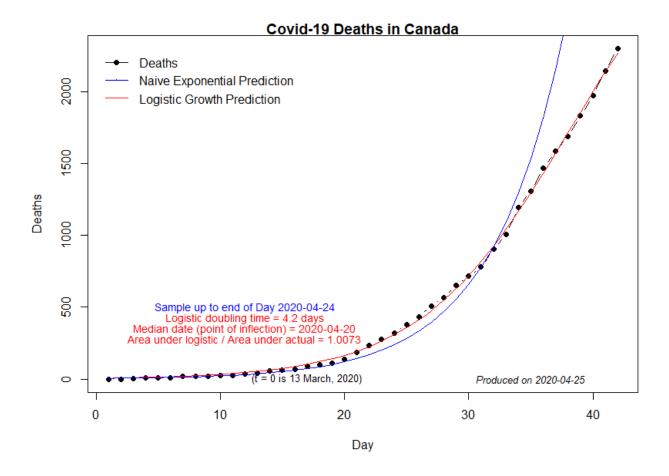
2. Total Number of Deaths

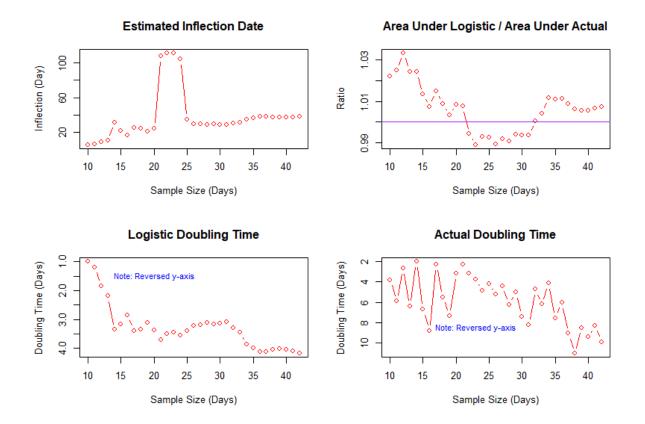
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Projected Deaths, Up to 1 Week Ahead

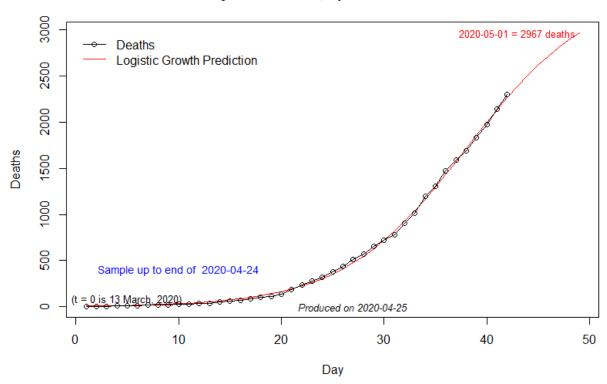


Table 2: Projected Covid-19 Deaths in Canada (Projections are in Red; Actual Values are in Brackets)

Sample en	d (projection ma	ade): 20 April				
21 Apr	22 Apr	23 Apr	24 Apr	25 Apr	26 Apr	27 Apr
1842 [1834]	1972 [1974]	<mark>2097</mark> [2146]	2215 [2302]	2325	2427	2520
Sample en	d (projection ma	ade): 21 April				
22 Apr	23 Apr	24 Apr	25 Apr	26 Apr	27 Apr	28 Apr
1966 [1974]	<mark>2089</mark> [2146]	2205 [2302]	2313	2413	2504	2586
Sample en	d (projection ma	ade): 22 April				
23 Apr	24 Apr	25 Apr	26 Apr	27 Apr	28 Apr	29 Apr
<mark>2094</mark> [2146]	<mark>2211</mark> [2302]	2321	2422	2514	2597	2672
Sample en	d (projection ma	ade): 23 April				
24 Apr	25 Apr	26 Apr	27 Apr	28 Apr	29 Apr	30 Apr
2243 [2302]	2361	2470	2570	2662	2745	2818
Sample en	d (projection ma	ade): 24 April				
25 Apr	26 Apr	27 Apr	28 Apr	29 Apr	30 Apr	1 May
2395	2513	2622	2721	2812	2894	2967

ONTARIO

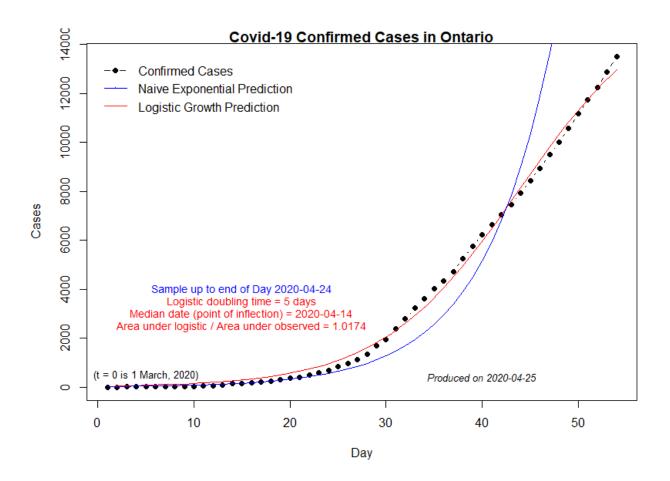
1. Total Confirmed Cases

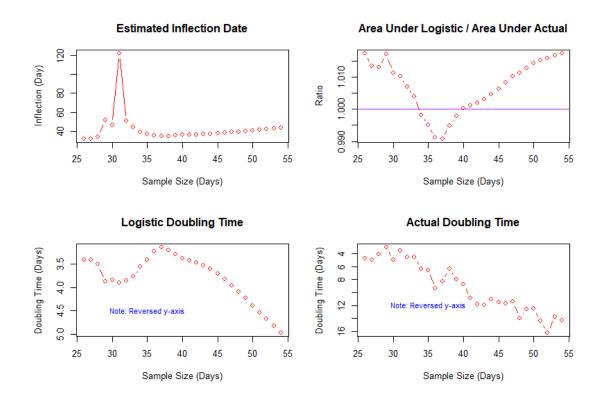
My R code for Covid-19 modelling is at

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The chart below shows results based on data from 2 March to 24 April inclusive.





Projected Ontario Cases, Up to 1 Week Ahead

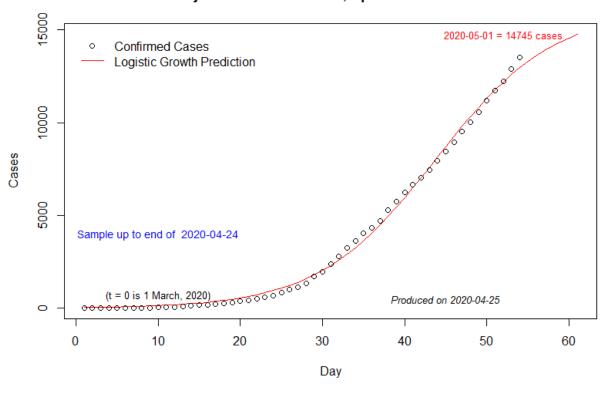


Table 3: Projected Covid-19 Cases in Ontario
(Projections are in Blue; Actual Values are in Brackets)

(projection mad	de): 20 April				
22 Apr	23 Apr	24 Apr	25 Apr	26 Apr	27 Apr
11318 [12245]	11569 [12879]	11793 [13519]	11991	12165	12318
(projection mad	de): 21 April				
23 Apr	24 Apr	25 Apr	26 Apr	27 Apr	28 Apr
11879 [12879]	12139 [13519]	12370	12576	12759	12919
(projection mad	de): 22 April				
24 Apr	25 Apr	26 Apr	27 Apr	28 Apr	29 Apr
12419 [13519]	12682	12918	13129	13316	13481
(projection mad	de): 23 April				
25 Apr	26 Apr	27 Apr	28 Apr	29 Apr	30 Apr
12995	13265	13509	13727	13921	14094
(projection mad	de): 24 April				
26 Apr	27 Apr	28 Apr	29 Apr	30 Apr	1 May
13600	13879	14132	14359	14563	14745
	22 Apr 11318 [12245] (projection mac 23 Apr 11879 [12879] (projection mac 24 Apr 12419 [13519] (projection mac 25 Apr 12995 (projection mac 26 Apr	11318	22 Apr 23 Apr 24 Apr 11318 11569 11793 [12245] [12879] [13519] (projection made): 21 April 23 Apr 24 Apr 25 Apr 11879 12139 12370 [12879] [13519] (projection made): 22 April 24 Apr 25 Apr 26 Apr 12419 12682 12918 [13519] (projection made): 23 April 25 Apr 26 Apr 27 Apr 12995 13265 13509 (projection made): 24 April 26 Apr 27 Apr 28 Apr	22 Apr 23 Apr 24 Apr 25 Apr 11318 11569 11793 11991 [12245] [12879] [13519] (projection made): 21 April 23 Apr 24 Apr 25 Apr 26 Apr 11879 12139 12370 12576 [12879] [13519] (projection made): 22 April 24 Apr 25 Apr 26 Apr 27 Apr 12419 12682 12918 13129 [13519] (projection made): 23 April 25 Apr 26 Apr 27 Apr 28 Apr 12995 13265 13509 13727 (projection made): 24 April 26 Apr 27 Apr 28 Apr 1000 13727	22 Apr 23 Apr 24 Apr 25 Apr 26 Apr 11318 11569 11793 11991 12165 [12245] [12879] [13519] [13519] [13519] [1370 12576 12759 [12879] [13519] [12879] [13519] [12879] [13519] [12879] [13519] [12879] [13519] [12879] [12918 13129 13316 [13519] [12918 13129 [13519] [13519] [12918 13129 [13519] [13519] [12918 13129 [13519] [13519] [12918 13129 [13519] [12918 13129 [13519] [12918 13129 [13519] [12918 [13519] [12918

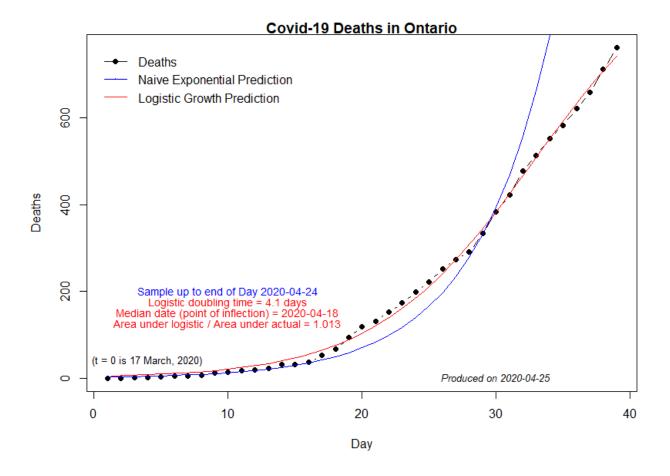
2. Total Number of Deaths

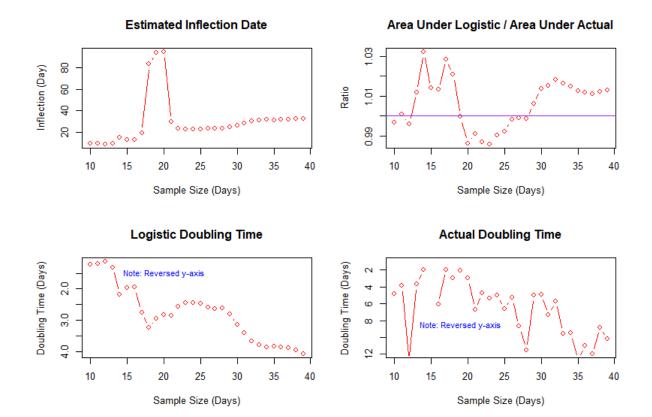
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Projected Ontario Deaths, Up to 1 Week Ahead

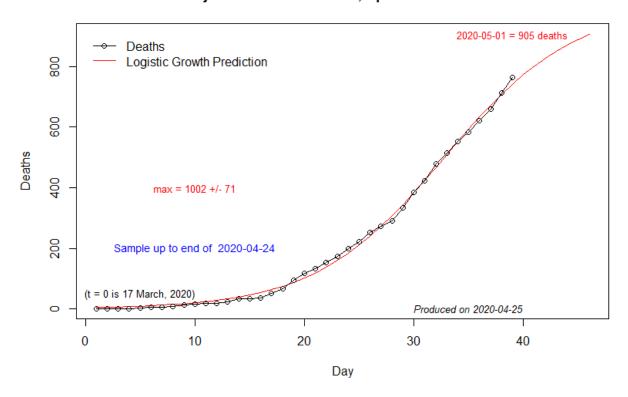


Table 4: Projected Covid-19 Deaths in Ontario

(Projections are in Red; Actual Values are in Brackets)

Sample end (projection made): 20 April								
21 Apr	22 Apr	23 Apr	24 Apr	25 Apr	26 Apr	27 Apr		
619 [622]	<mark>651</mark> [659]	681 [713]	<mark>709</mark> [763]	733	755	774		
Sample end (projection made): 21 April								
22 Apr	23 Apr	24 Apr	25 Apr	26 Apr	27 Apr	28 Apr		
653 [659]	683 [713]	711 [763]	735	758	777	794		
Sample end (projection made): 22 April								
23 Apr	24 Apr	25 Apr	26 Apr	27 Apr	28 Apr	29 Apr		
686 [713]	<mark>714</mark> [763]	740	762	782	800	815		
Sample end (projection made): 23 April								
24 Apr	25 Apr	26 Apr	27 Apr	28 Apr	29 Apr	30 Apr		
728 [763]	756	781	804	824	841	857		
Sample end (projection made): 24 April								
25 Apr	26 Apr	27 Apr	28 Apr	29 Apr	30 Apr	1 May		
773	802	828	851	871	889	905		