

Covid-19 Modelling Results, as at 25 April 2020

CANADA

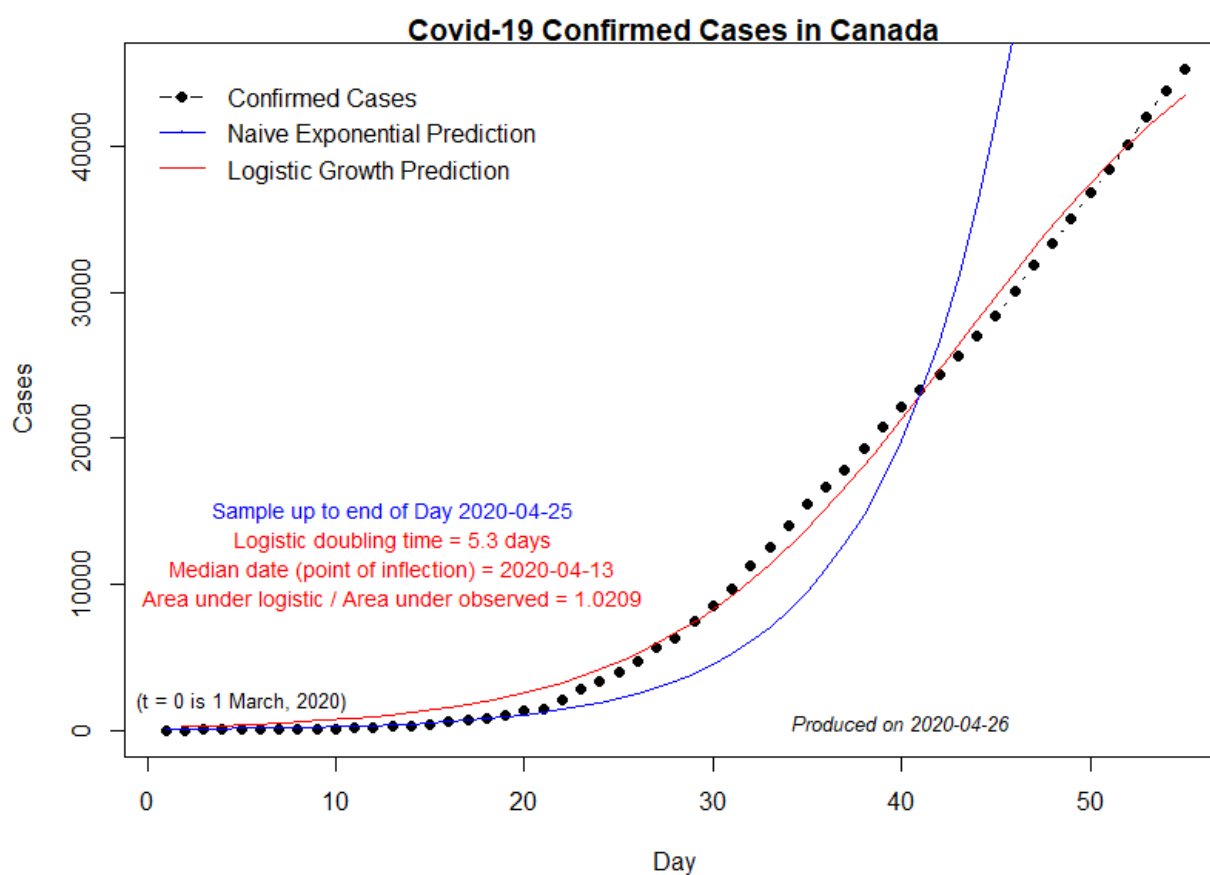
1. Total Confirmed Cases

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 25 April inclusive*.



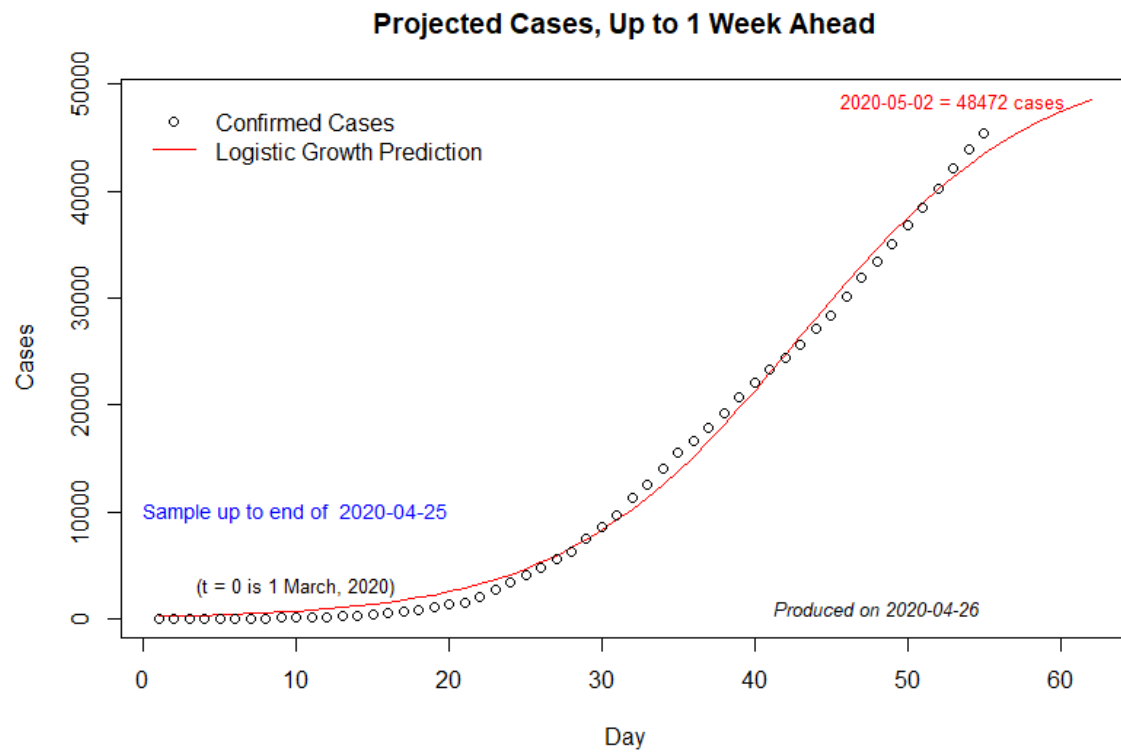
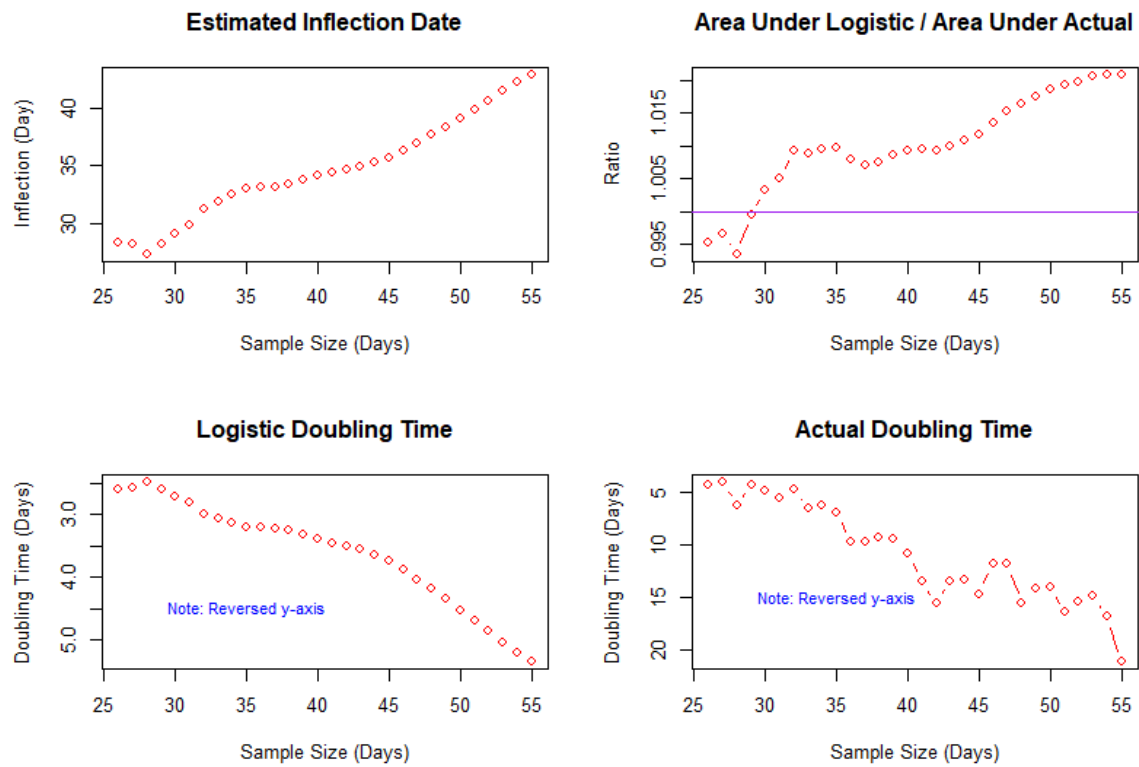


Table 1: Projected Covid-19 Cases in Canada
(Projections are in Blue; Actual Values are in Brackets)

Sample end (projection made): 20 April

<i>21 Apr</i>	<i>22 Apr</i>	<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>
35811 [38422]	36536 [40190]	37181 [42110]	37753 [43888]	38258 [45354]	38702	39091

Sample end (projection made): 21 April

<i>22 Apr</i>	<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>
37447 [40190]	38196 [42110]	38867 [43888]	39464 [45354]	39994	40463	40877

Sample end (projection made): 22 April

<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>
39135 [42110]	39911 [43888]	40609 [45354]	41234	41791	42287	42727

Sample end (projection made): 23 April

<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>
40911 [43888]	41720 [45354]	42452	43110	43701	44229	44699

Sample end (projection made): 24 April

<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>
42704 [45354]	43543	44306	44996	45617	46176	4667

Sample end (projection made): 25 April

<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>
44398	45253	46032	46739	47378	47954	48472

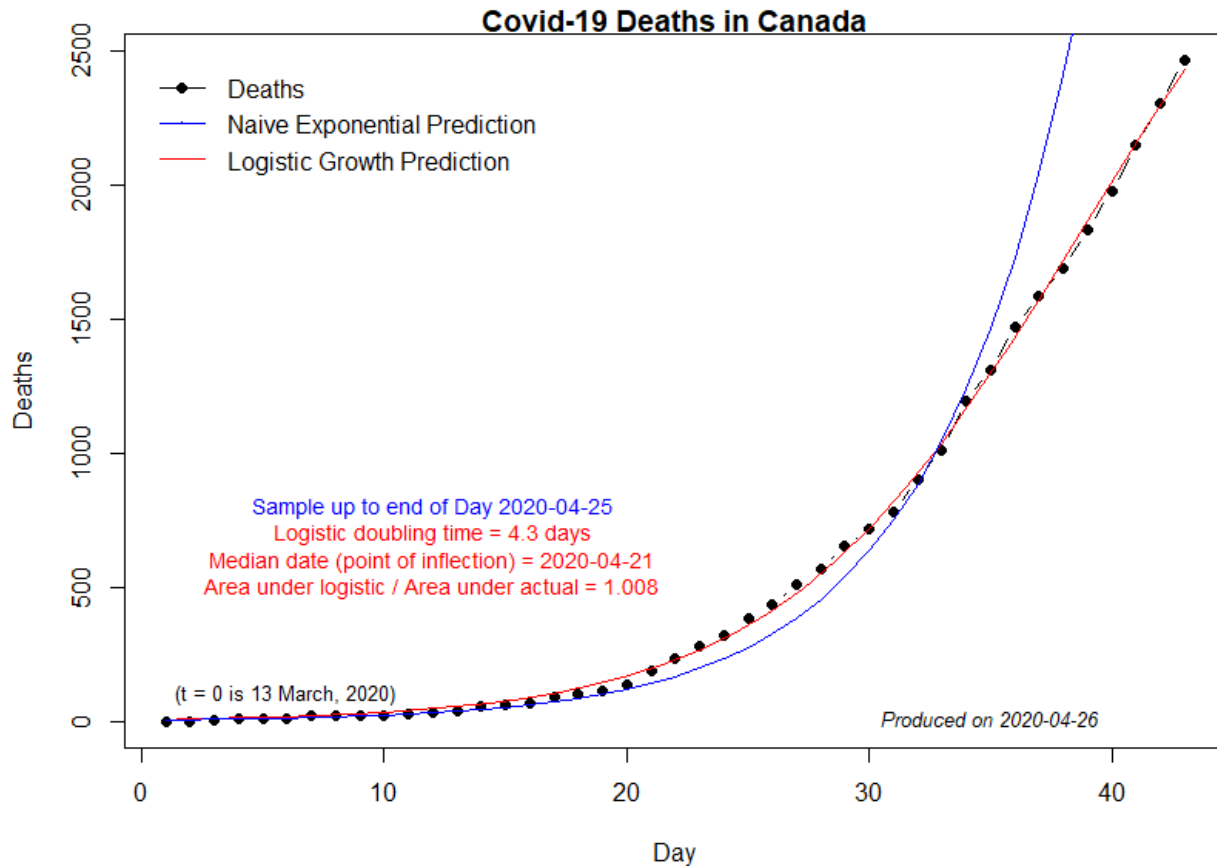
2. Total Number of Deaths

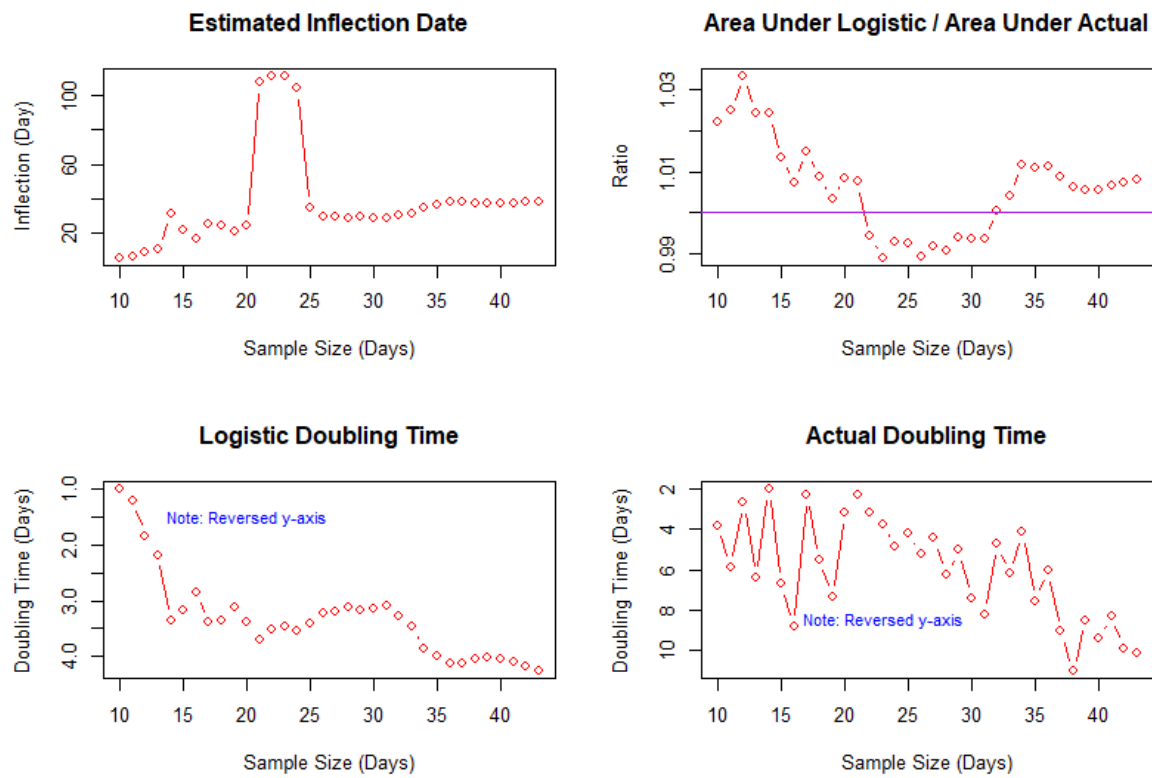
My R code for Covid-19 modelling is at

https://raw.githubusercontent.com/DaveGiles1949/r-code/master/Canadian_Covid-19_Deaths.R

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The chart below shows results based on *data from 14 March to 25 April inclusive*.





Projected Deaths, Up to 1 Week Ahead

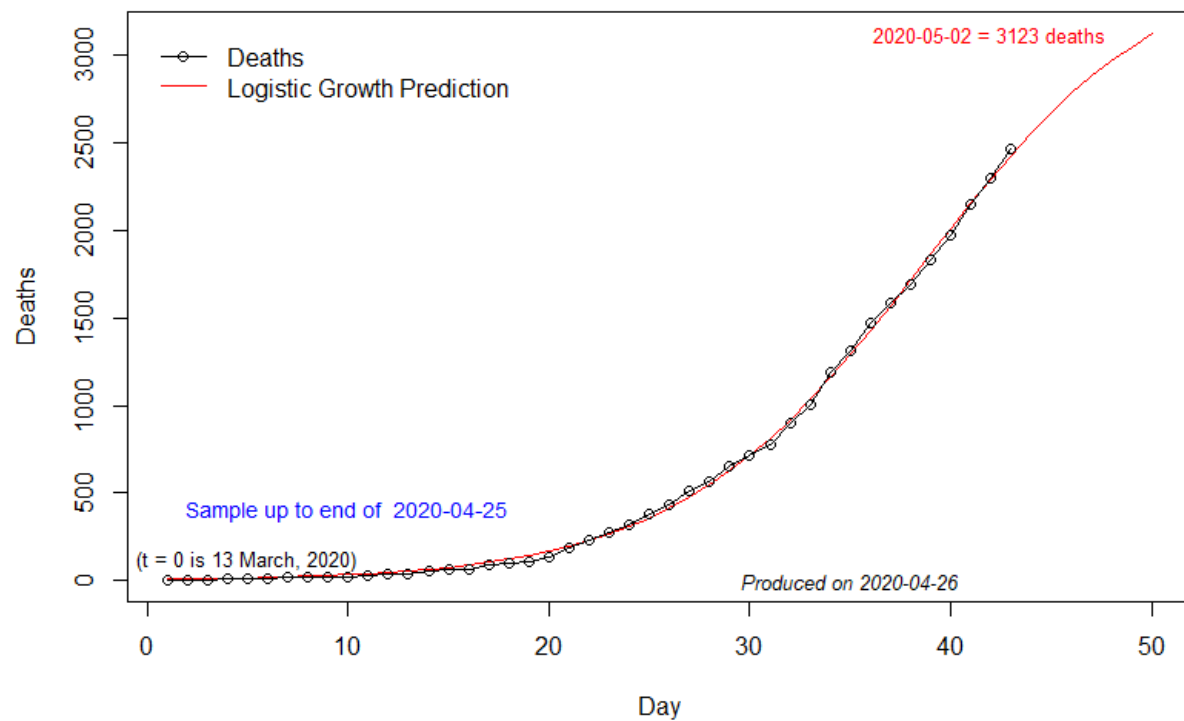


Table 2: Projected Covid-19 Deaths in Canada
(Projections are in Red; Actual Values are in Brackets)

Sample end (projection made): 20 April

<i>21 Apr</i>	<i>22 Apr</i>	<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>
1842	1972	2097	2215	2325	2427	2520
[1834]	[1974]	[2146]	[2302]	[2465]		

Sample end (projection made): 21 April

<i>22 Apr</i>	<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>
1966	2089	2205	2313	2413	2504	2586
[1974]	[2146]	[2302]	[2465]			

Sample end (projection made): 22 April

<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>
2094	2211	2321	2422	2514	2597	2672
[2146]	[2302]	[2465]				

Sample end (projection made): 23 April

<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>
2243	2361	2470	2570	2662	2745	2818
[2302]	[2465]					

Sample end (projection made): 24 April

<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>
2395	2513	2622	2721	2812	2894	2967
[2465]						

Sample end (projection made): 25 April

<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>
2552	2670	2779	2878	2969	3050	3123

ONTARIO

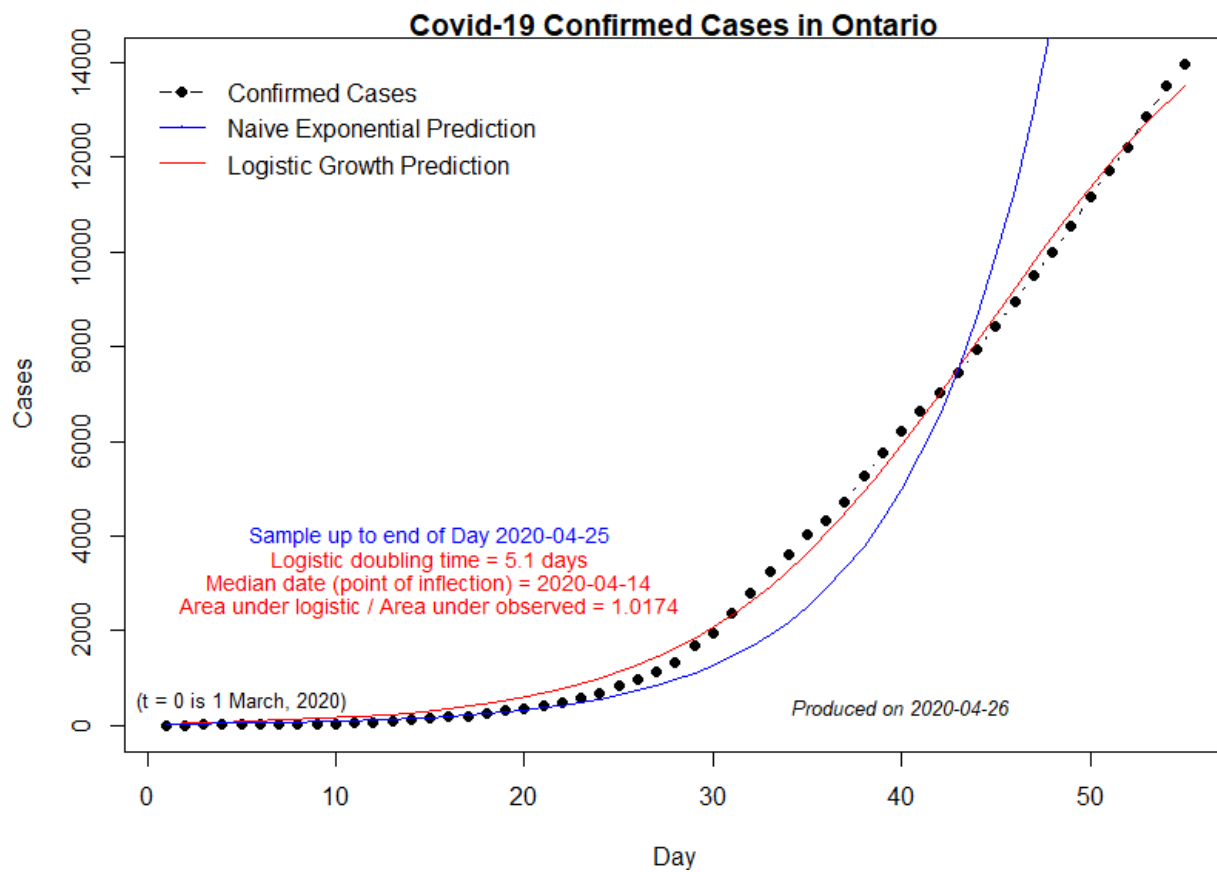
1. Total Confirmed Cases

My R code for Covid-19 modelling is at

https://raw.githubusercontent.com/DaveGiles1949/r-code/master/Ontario_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 25 April inclusive*.



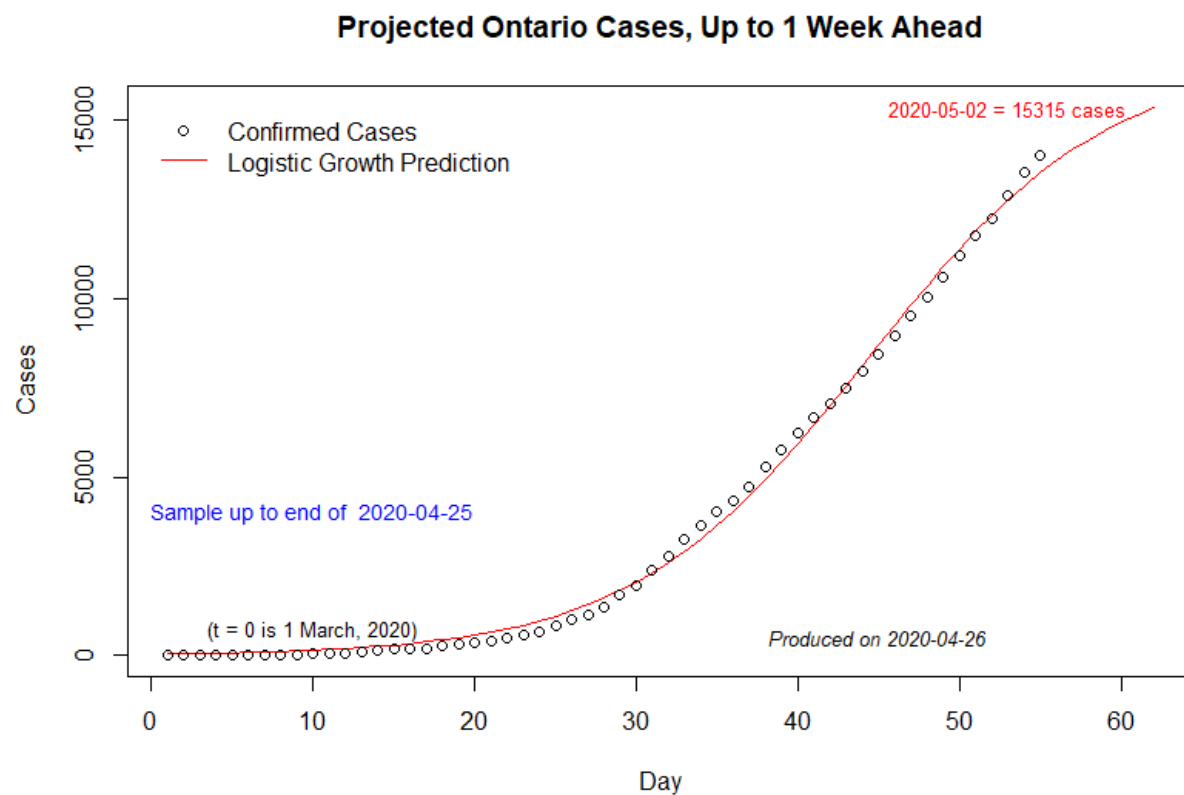
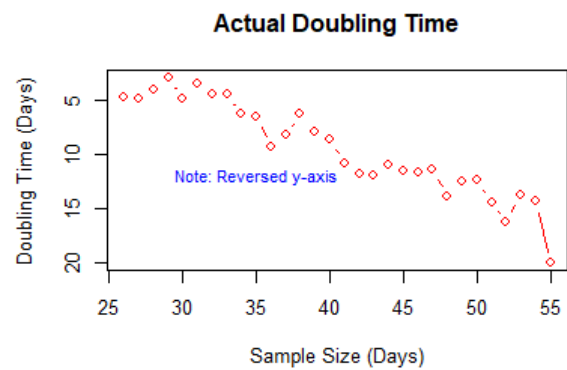
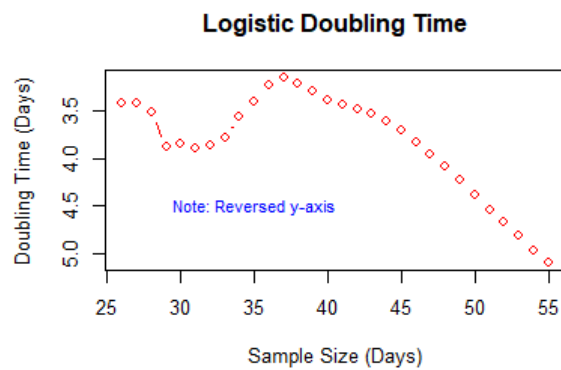
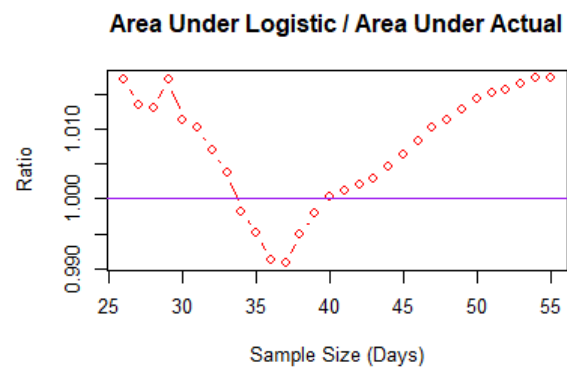
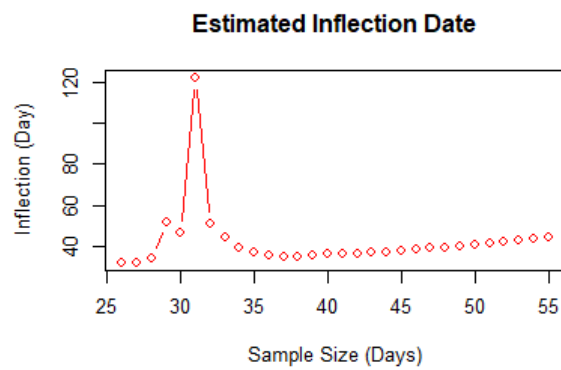


Table 3: Projected Covid-19 Cases in Ontario
(Projections are in Blue; Actual Values are in Brackets)

Sample end (projection made): 20 April						
<i>21 Apr</i>	<i>22 Apr</i>	<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>
11037	11318	11569	11793	11991	12165	12318
[11735]	[12245]	[12879]	[13519]	[13995]		
Sample end (projection made): 21 April						
<i>22 Apr</i>	<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>
11591	11879	12139	12370	12576	12759	12919
[12245]	[12879]	[13519]	[13995]			
Sample end (projection made): 22 April						
<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>
12127	12419	12682	12918	13129	13316	13481
[12879]	[13519]	[13995]				
Sample end (projection made): 23 April						
<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>
12697	12995	13265	13509	13727	13921	14094
[13519]	[13995]					
Sample end (projection made): 24 April						
<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>
13292	13600	13879	14132	14359	14563	14745
[13995]						
Sample end (projection made): 25 April						
<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>
13845	14155	14437	14692	14922	15129	15315

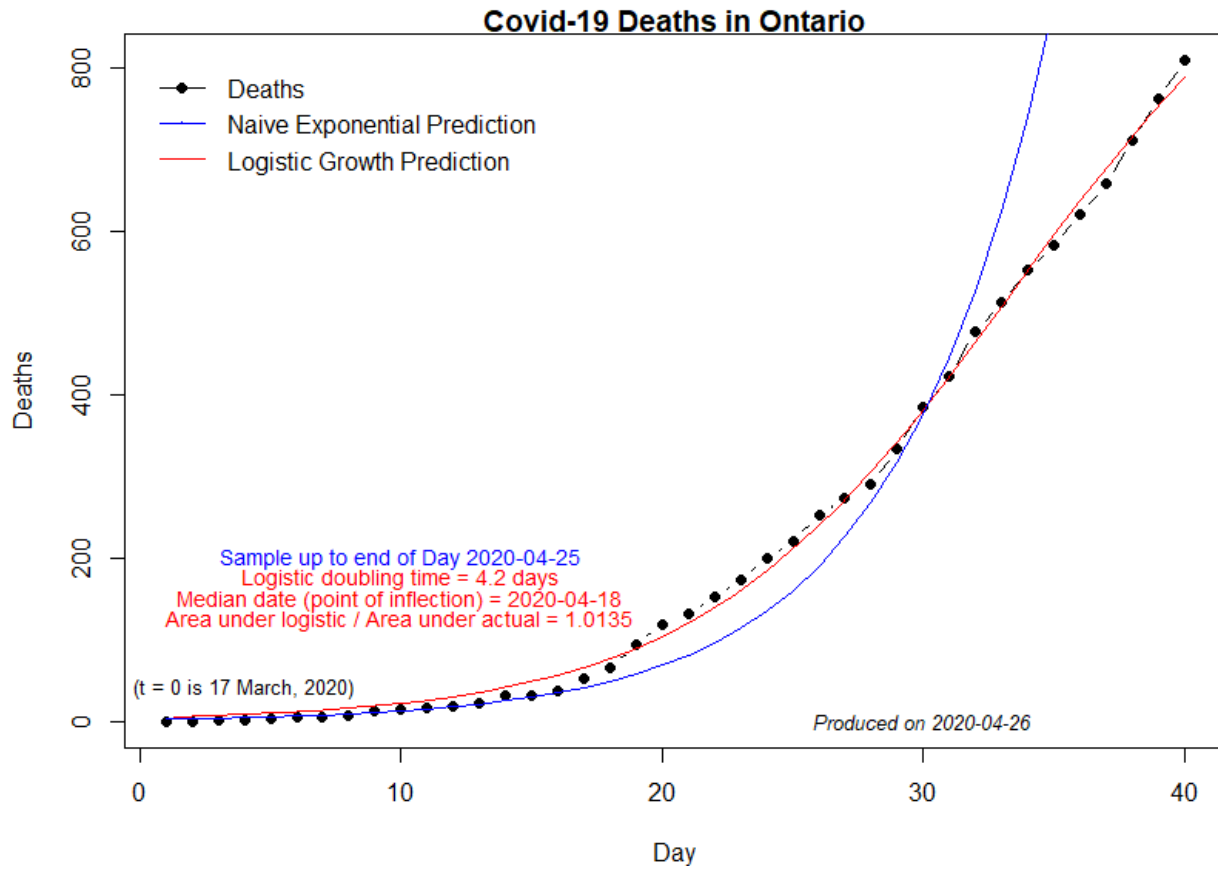
2. Total Number of Deaths

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

The chart below shows results based on *data from 17 March to 25 April inclusive*.



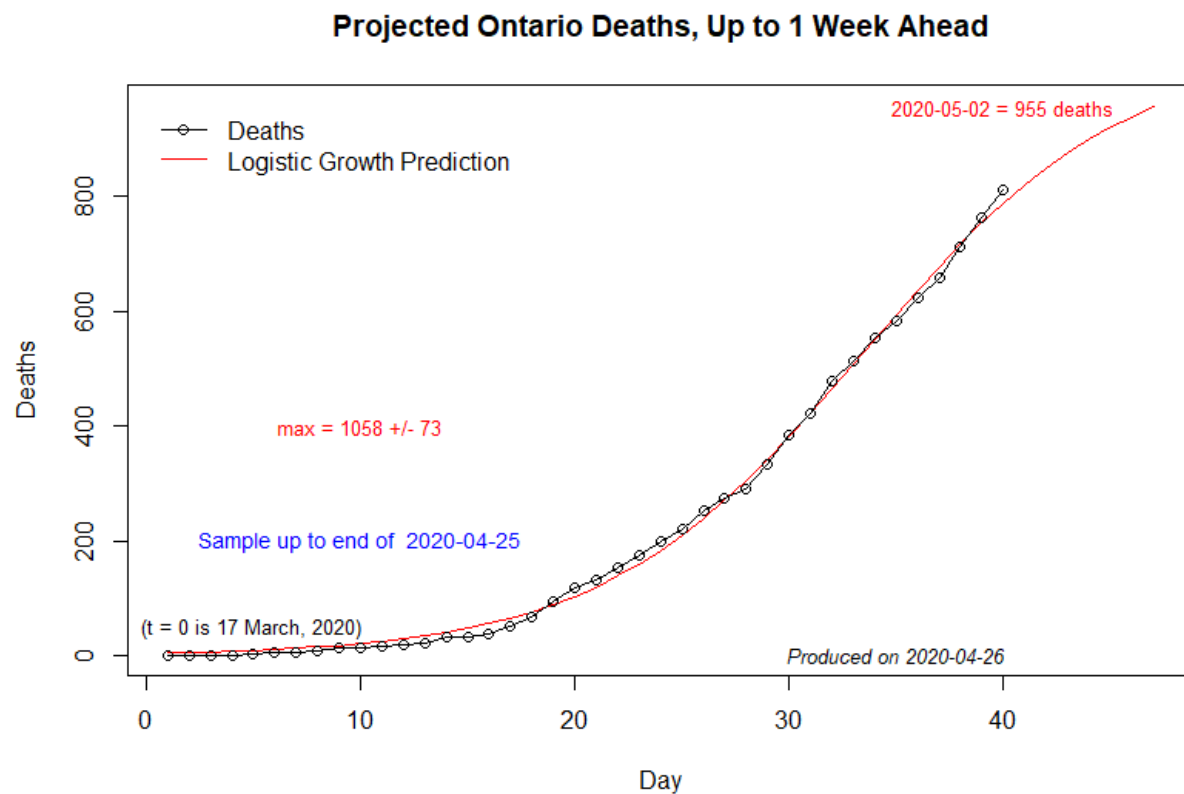
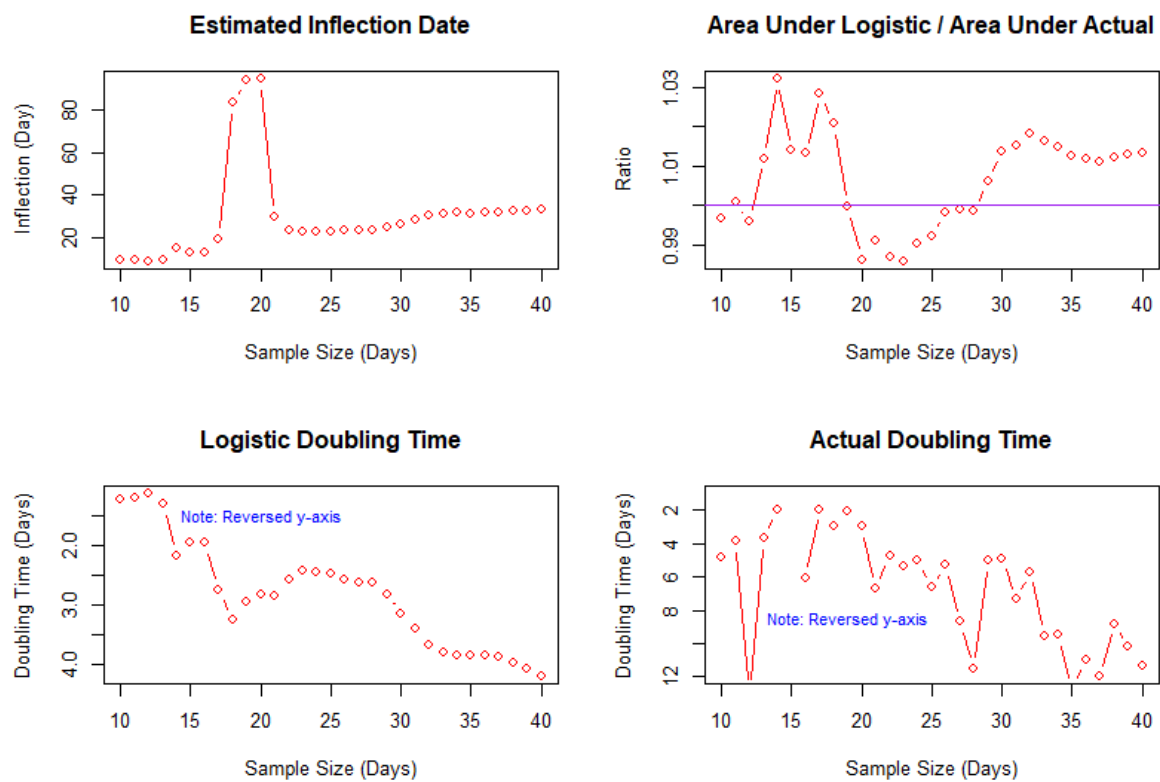


Table 4: Projected Covid-19 Deaths in Ontario
(Projections are in Red; Actual Values are in Brackets)

Sample end (projection made): 20 April

<i>21 Apr</i>	<i>22 Apr</i>	<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>
619	651	681	709	733	755	774
[622]	[659]	[713]	[763]	[811]		

Sample end (projection made): 21 April

<i>22 Apr</i>	<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>
653	683	711	735	758	777	794
[659]	[713]	[763]	[811]			

Sample end (projection made): 22 April

<i>23 Apr</i>	<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>
686	714	740	762	782	800	815
[713]	[763]	[811]				

Sample end (projection made): 23 April

<i>24 Apr</i>	<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>
728	756	781	804	824	841	857
[763]	[811]					

Sample end (projection made): 24 April

<i>25 Apr</i>	<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>
773	802	828	851	871	889	905
[811]						

Sample end (projection made): 25 April

<i>26 Apr</i>	<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>
820	849	875	899	920	938	955