

Covid-19 Modelling Results, as at 28 April 2020

CANADA

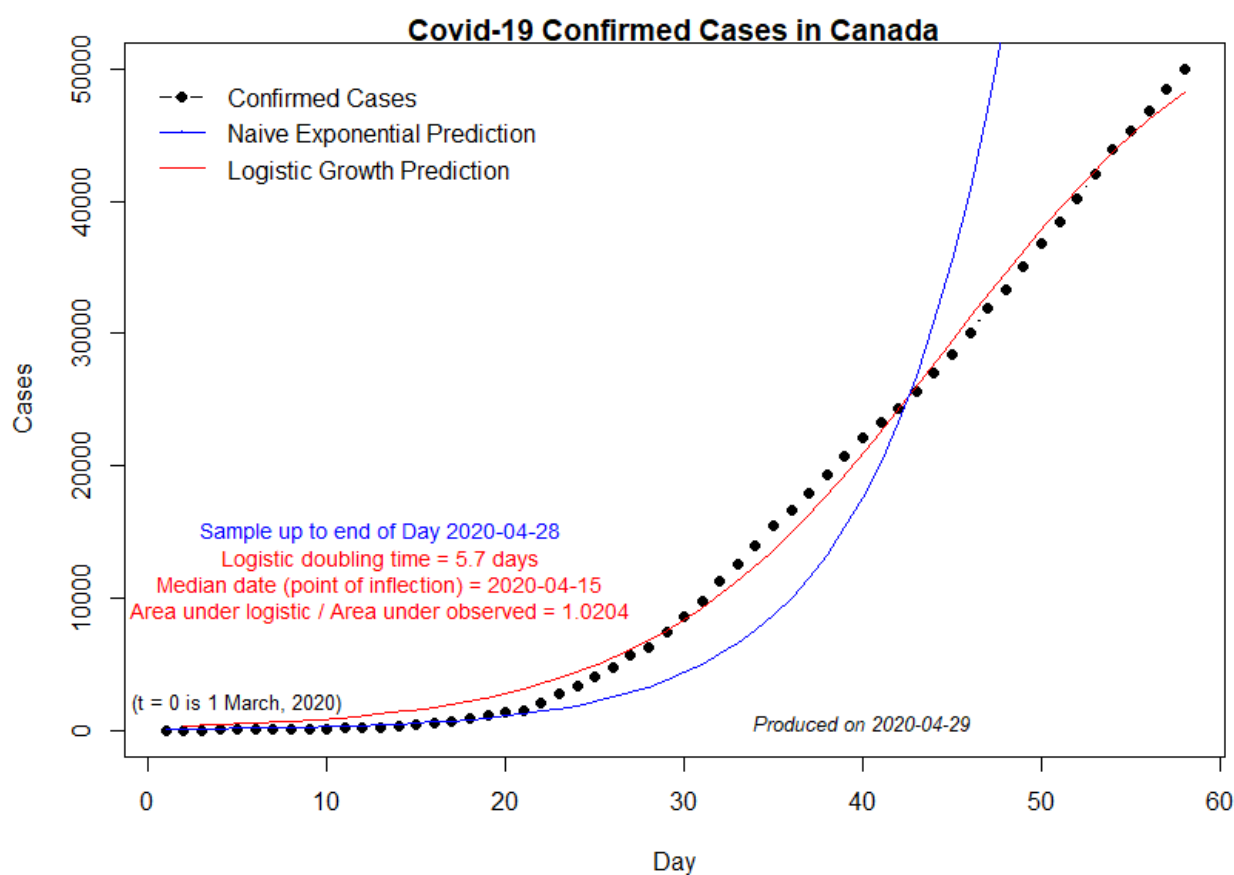
1. Total Confirmed Cases

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 28 April inclusive*.



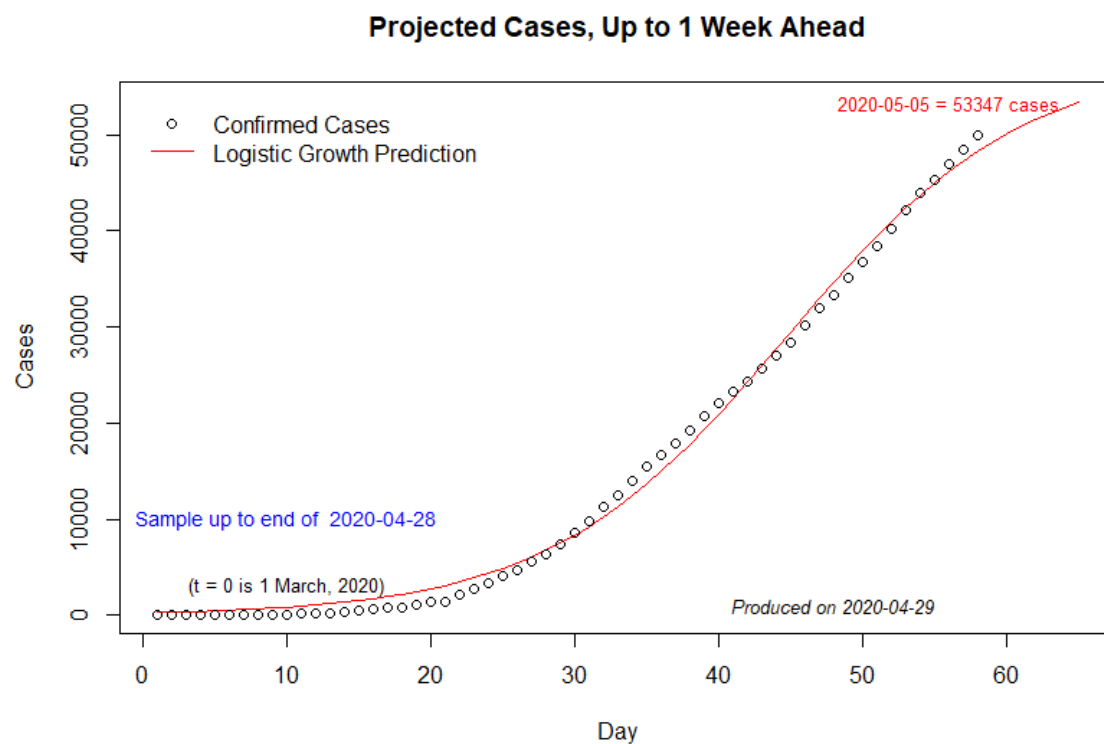
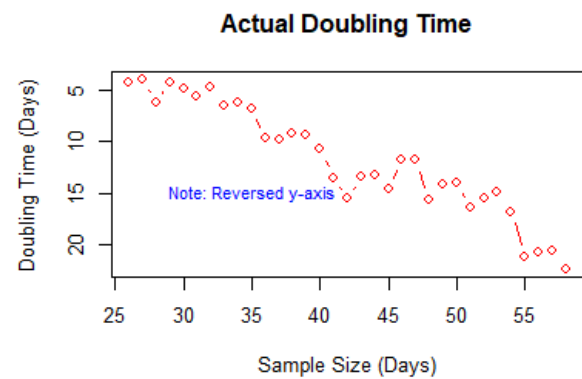
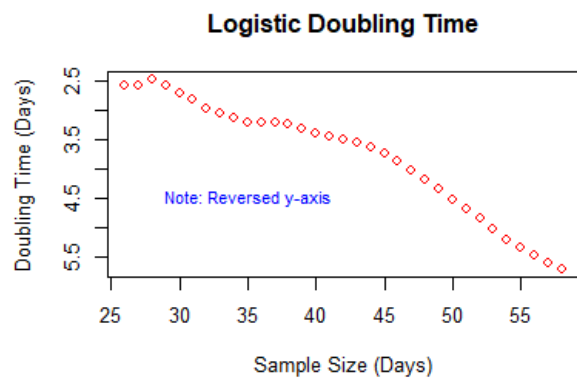
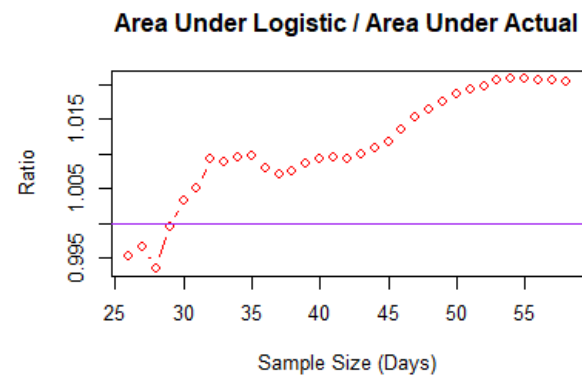
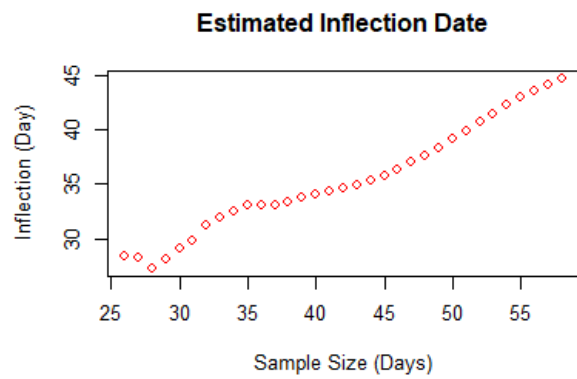


Table 1: Projected Covid-19 Cases in Canada
(Projections are in Blue; Actual Values are in Brackets)

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 [46895]	39091 [48500]
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 [46895]	40463 [48500]	40877 [50026]
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 [46895]	41791 [48500]	42287 [50026]	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 [46895]	43110 [48500]	43701 [50026]	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 [46895]	44306 [48500]	44996 [50026]	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 [46895]	45253 [48500]	46032 [50026]	46739	47378	47954	48472

Sample end (projection made): 26 April

<i>27 Apr</i> 46035 [48500]	<i>28 Apr</i> 46896 [50026]	<i>29 Apr</i> 47683	<i>30 Apr</i> 48398	<i>1 May</i> 49046	<i>2 May</i> 49632	<i>3 May</i> 50160
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Sample end (projection made): 27 April

<i>28 Apr</i> 47644 [50026]	<i>29 Apr</i> 48507	<i>30 Apr</i> 49296	<i>1 May</i> 50015	<i>2 May</i> 50668	<i>3 May</i> 51259	<i>4 May</i> 51793
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Sample end (projection made): 28 April

<i>29 Apr</i> 49205	<i>30 Apr</i> 50063	<i>1 May</i> 50849	<i>2 May</i> 51566	<i>3 May</i> 52219	<i>4 May</i> 52811	<i>5 May</i> 53347
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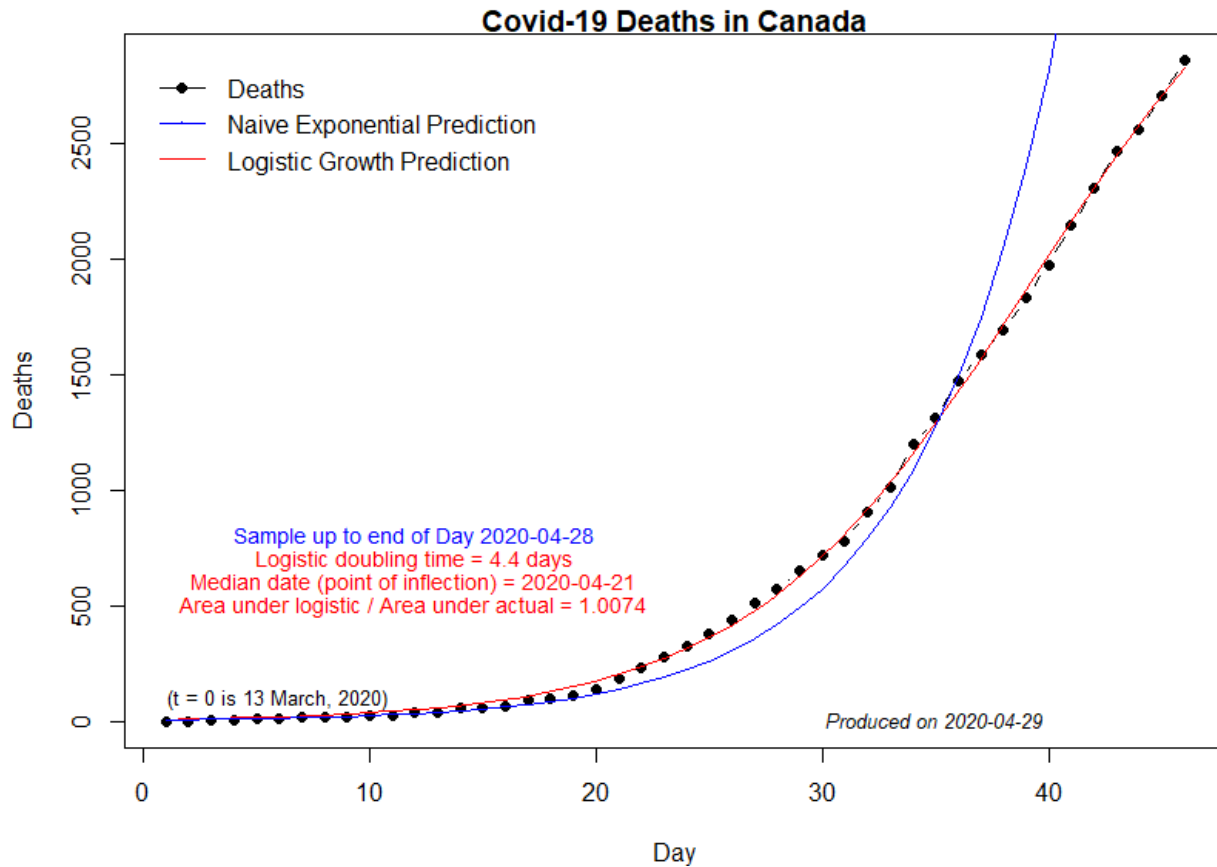
2. Total Number of Deaths

My R code for Covid-19 modelling is at

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The chart below shows results based on *data from 14 March to 28 April inclusive*.



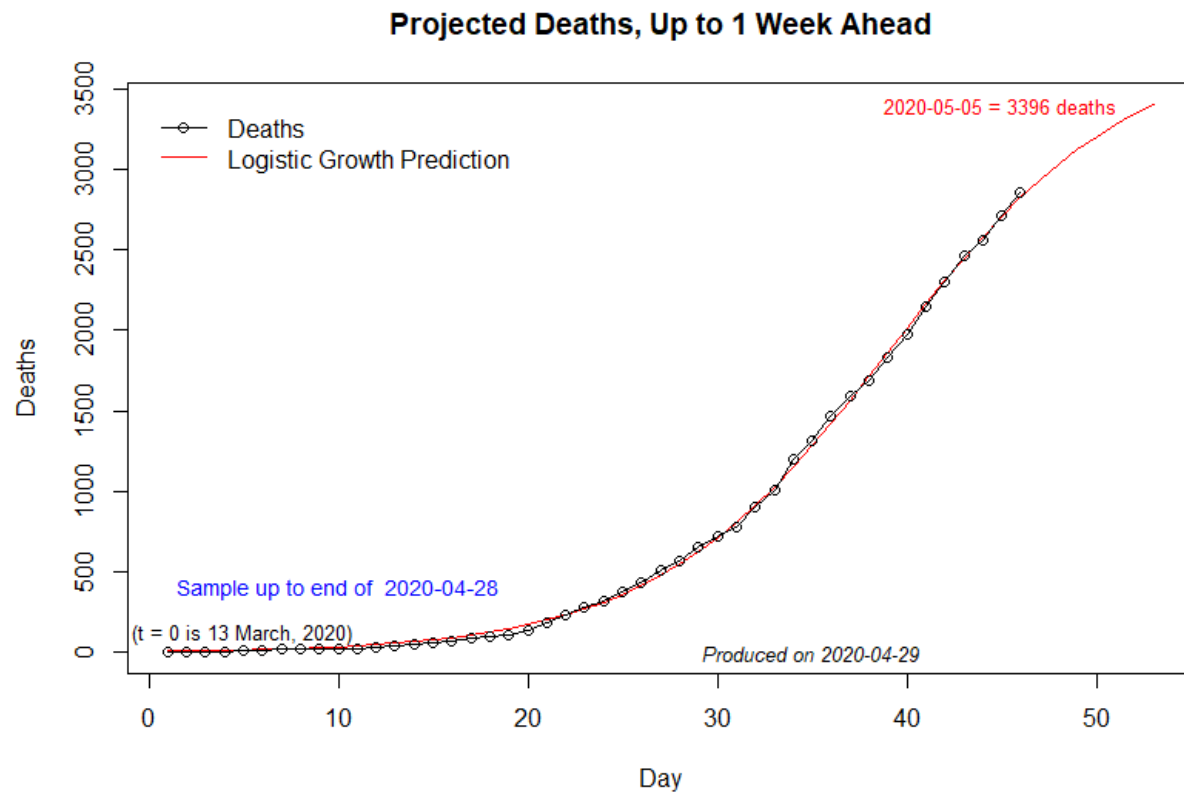
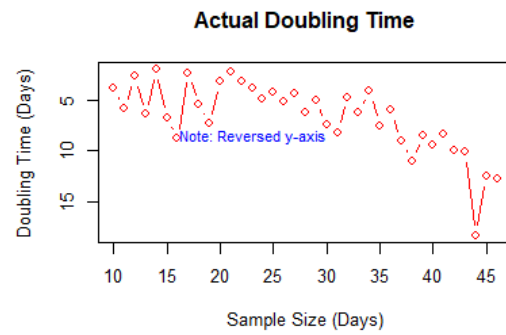
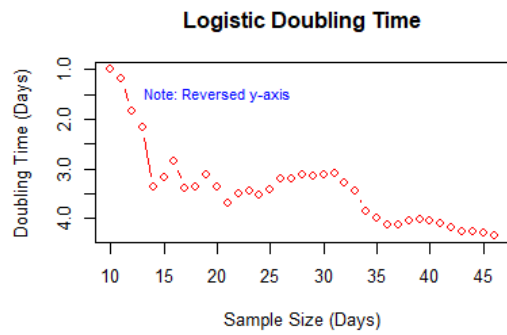
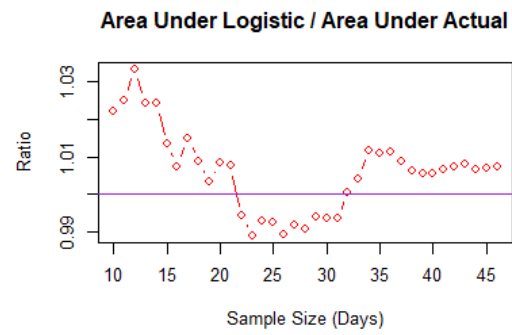
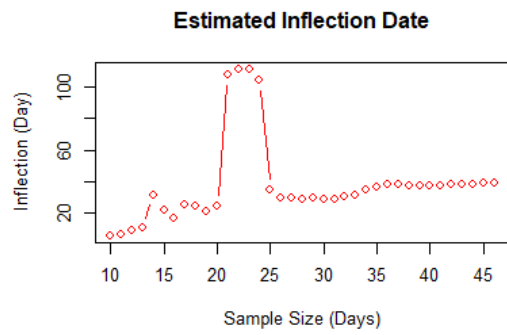


Table 2: Projected Covid-19 Deaths in Canada
(Projections are in Red; Actual Values are in Brackets)

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]	[2560]	[2707]

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]	[2560]	[2707]	[2859]

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]	[2560]	[2707]	[2859]	

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]	[2560]	[2707]	[2859]		

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]	[2560]	[2707]	[2859]			

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
[2560]	[2707]	[2859]				

Sample end (projection made): 26 April

<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>
2673	2783	2884	2975	3057	3131	3196
[2707]	[2859]					

Sample end (projection made): 27 April

<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>
2799 [2859]	2903	2997	3083	3159	3228	3288

Sample end (projection made): 28 April

<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>
2931	3030	3120	3202	3274	3339	3396

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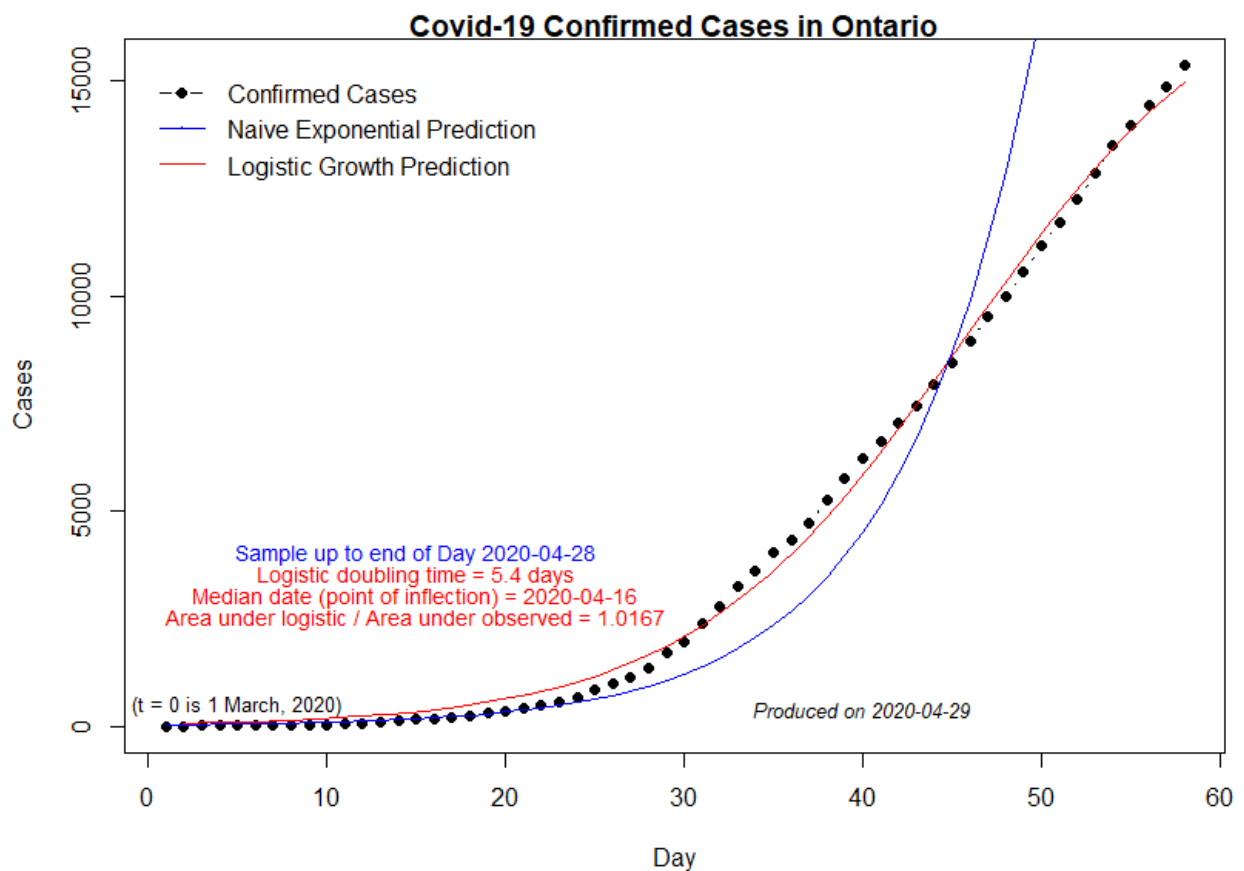
1. Total Confirmed Cases

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 28 April inclusive*.



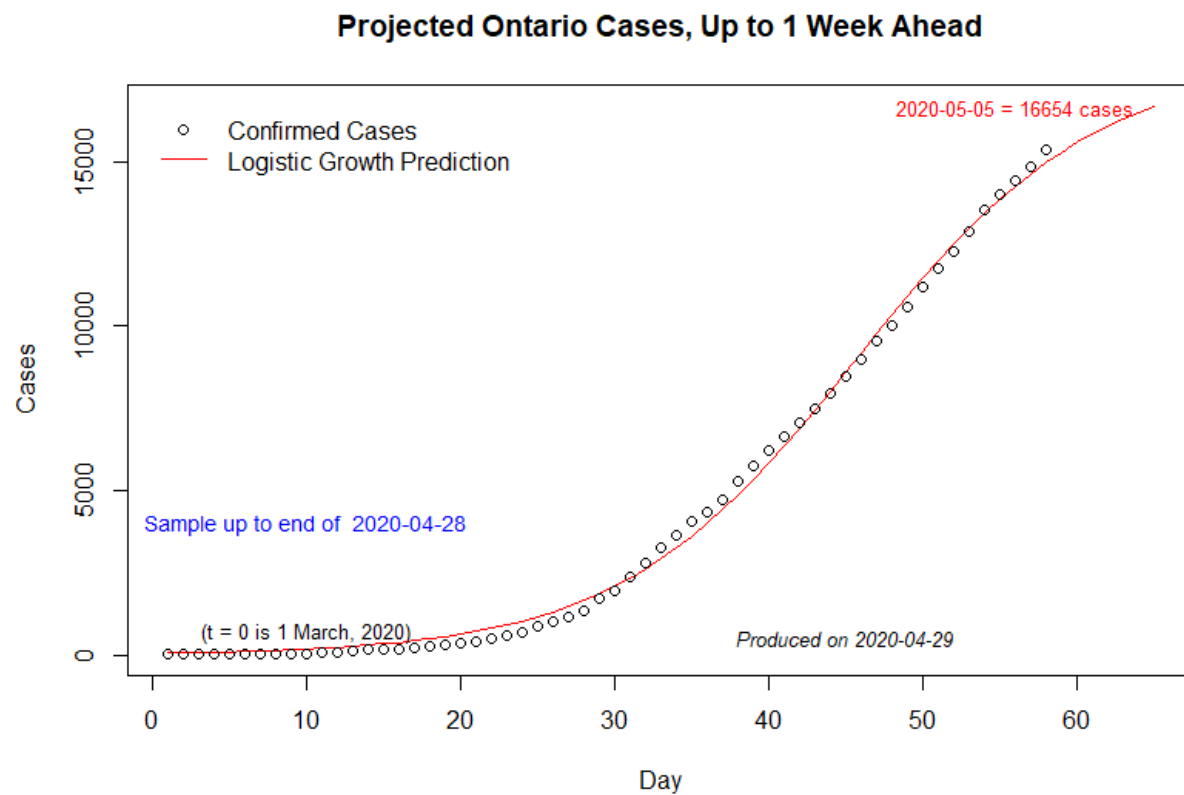
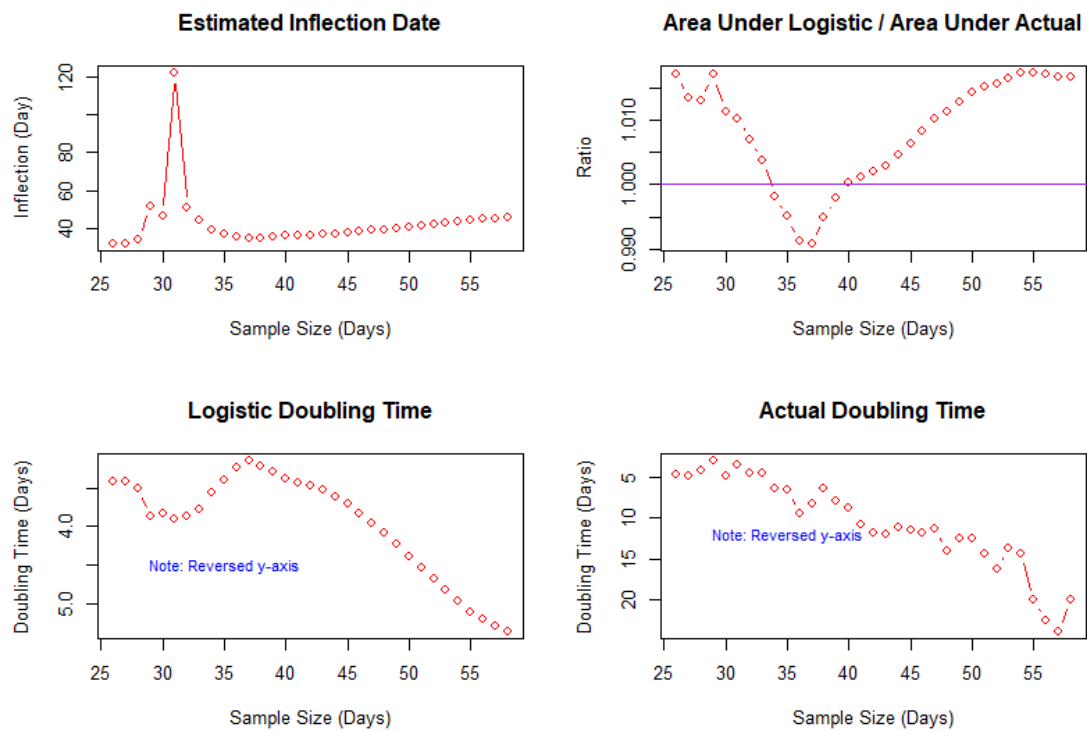


Table 3: Projected Covid-19 Cases in Ontario
(Projections are in Blue; Actual Values are in Brackets)

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]	[14432]	[14856]
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]	[14432]	[14856]	[15381]
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]	[14432]	[14856]	[15381]	
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]	[14432]	[14856]	[15381]		
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]	[14432]	[14856]	[15381]			
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
[14432]	[14856]	[15381]				
Sample end (projection made): 26 April						
<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>
14351	14656	14934	15186	15413	15618	15802
[14856]	[15381]					

Sample end (projection made): 27 April

<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>
14817 [15381]	15113	15382	15626	15847	16045	16224

Sample end (projection made): 28 April

<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>
15285	15572	15834	16072	16287	16480	16654

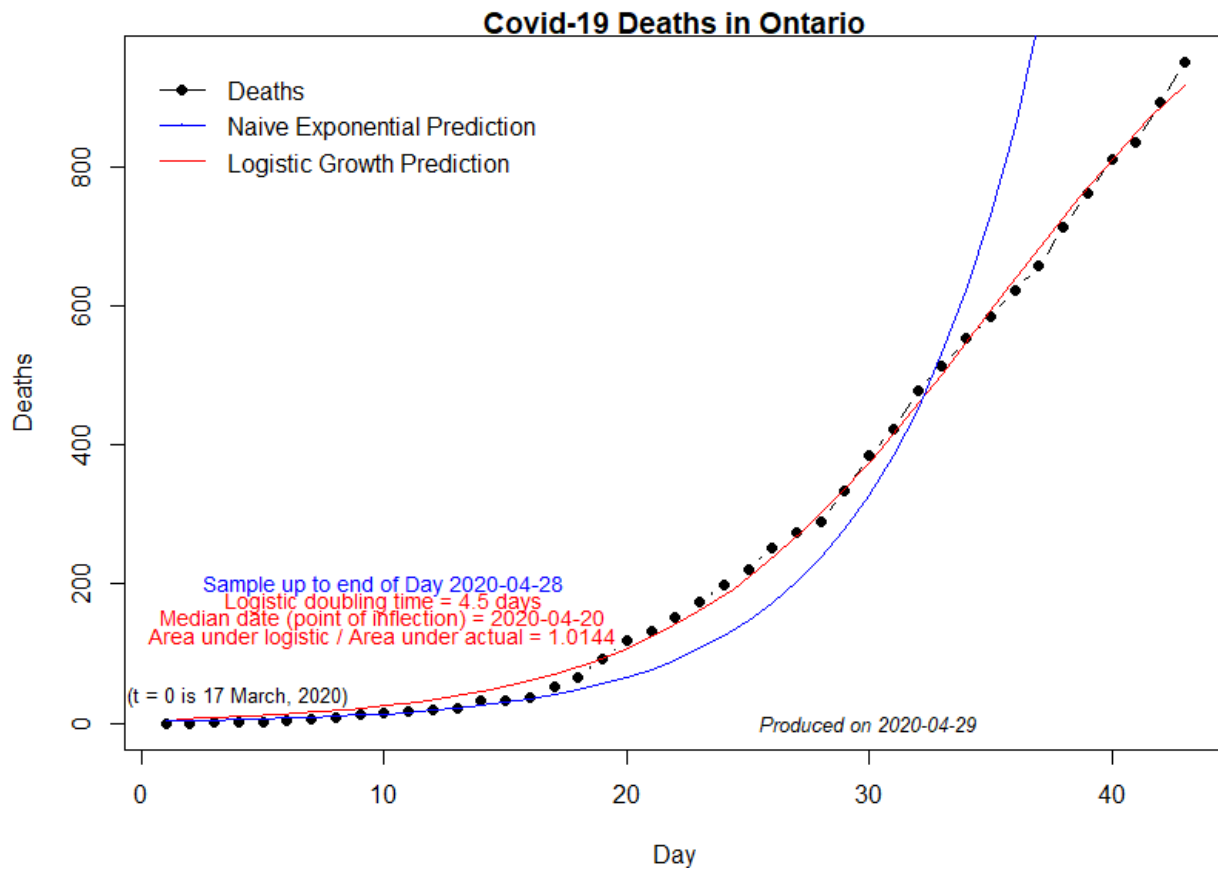
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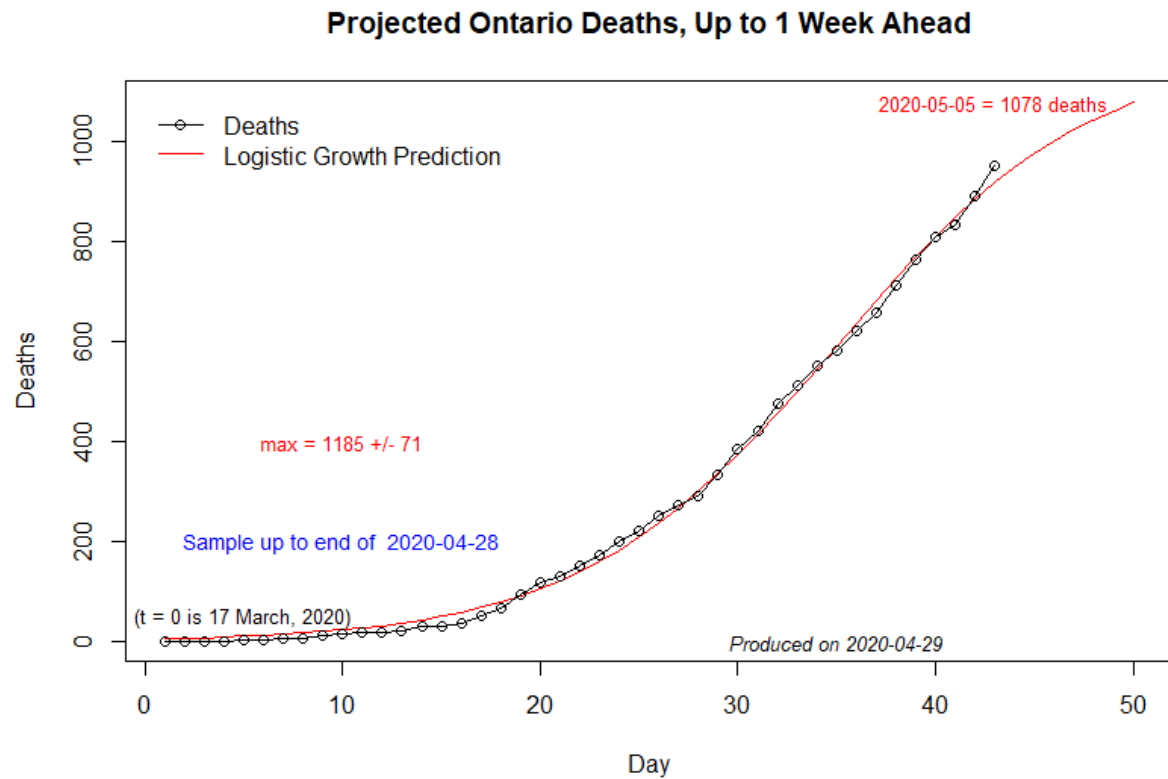
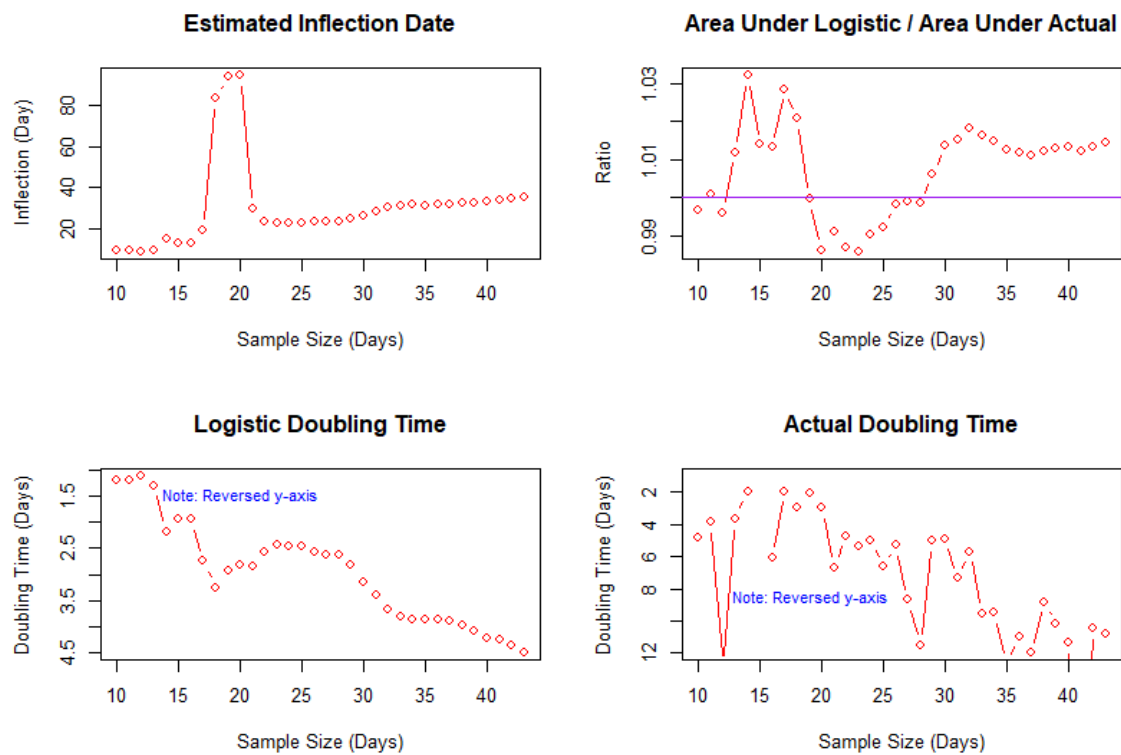


Table 4: Projected Covid-19 Deaths in Ontario
(Projections are in Red; Actual Values are in Brackets)

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]	[835]	[892]
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]	[835]	[892]	[951]
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]	[835]	[892]	[951]	
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]	[835]	[892]	[951]		
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]	[835]	[892]	[951]			
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
[835]	[892]	[951]				
Sample end (projection made): 26 April						
<i>27 Apr</i>	<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>
856	883	908	930	949	966	982
[892]	[951]					
Sample end (projection made): 27 April						
<i>28 Apr</i>	<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>
899	926	950	972	992	1009	1024
[951]						

Sample end (projection made): 28 April

29 Apr

30 Apr

1 May

2 May

3 May

4 May

5 May

948

976

1001

1024

1044

1062

1078