

# Covid-19 Modelling Results, as at 23 April 2020

## CANADA

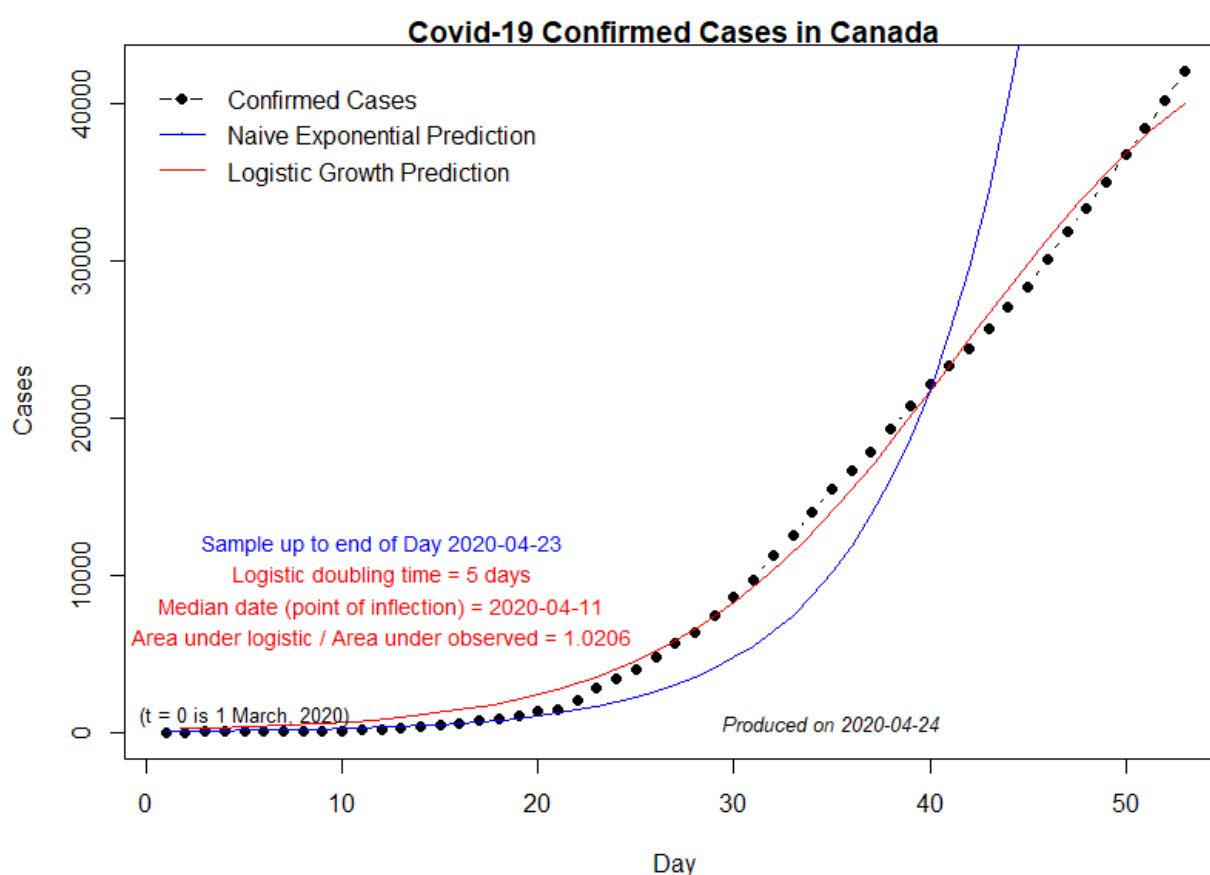
### 1. Total Confirmed Cases

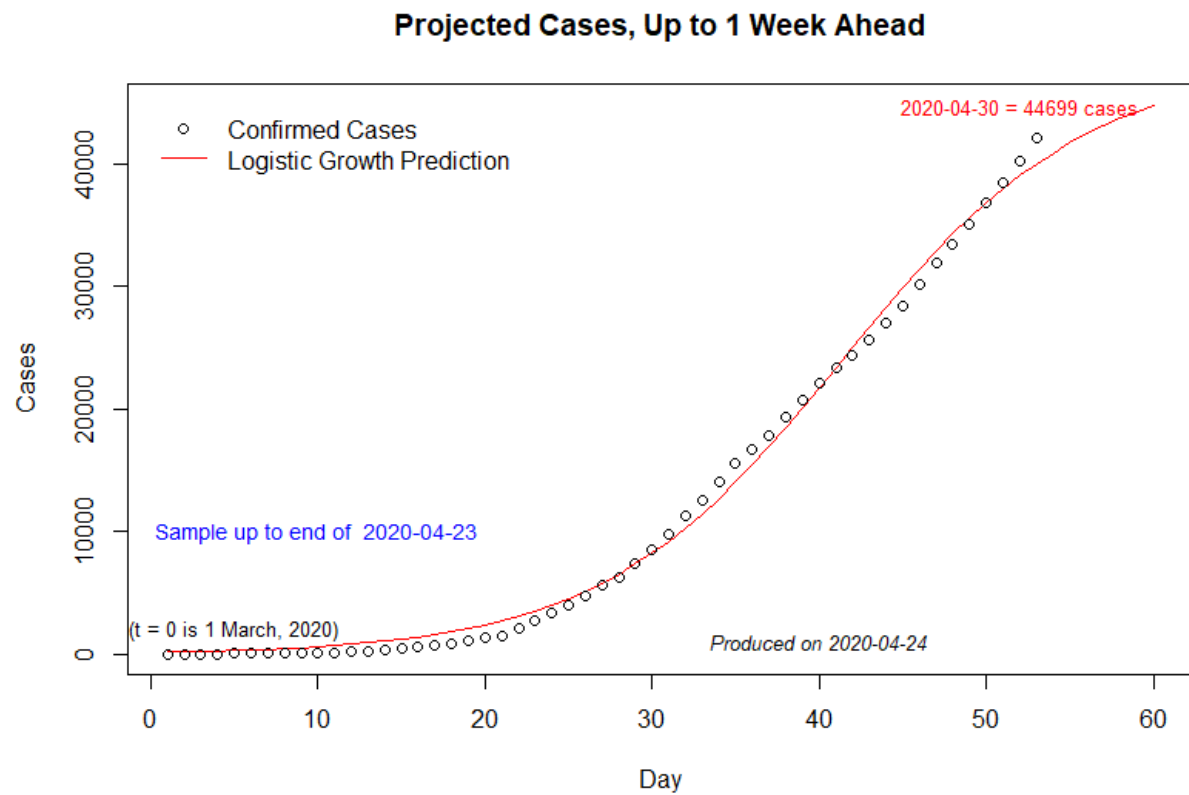
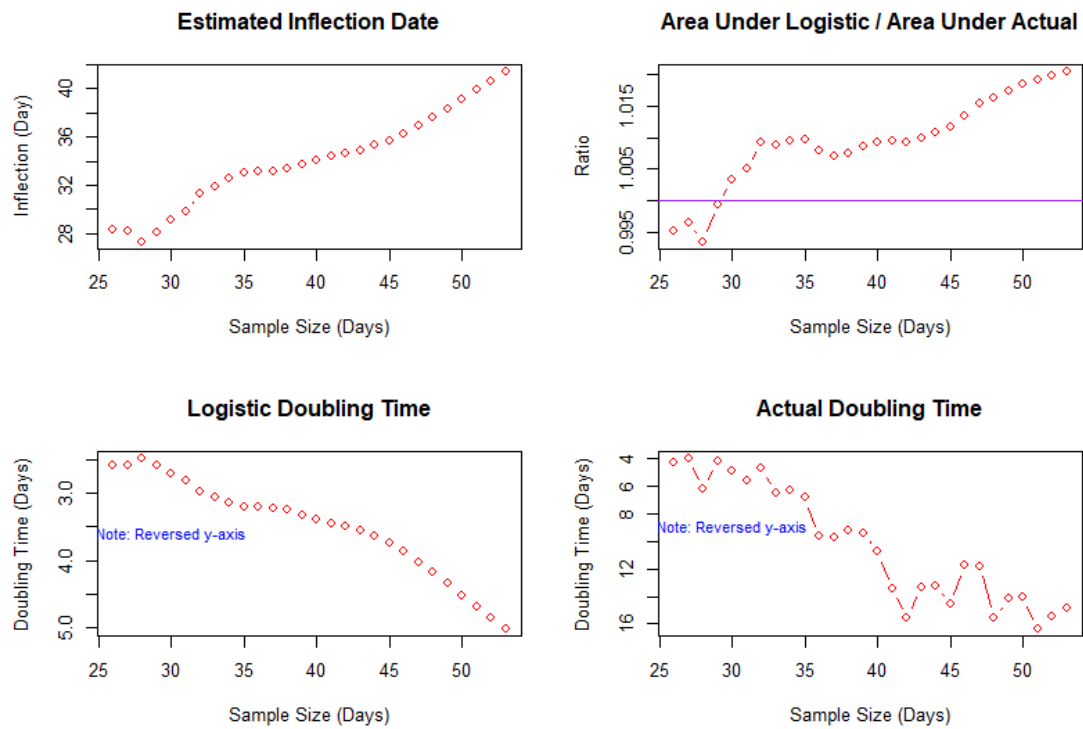
My R code for Covid-19 modelling is at

[https://raw.githubusercontent.com/DaveGiles1949/r-code/master/Canadian\\_Covid-19\\_Cases.R](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 23 April inclusive*.





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

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<b>Sample end (projection made): 20 April</b>						
<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	38258	38702	39091
<b>Sample end (projection made): 21 April</b>						
<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	39464	39994	40463	40877
<b>Sample end (projection made): 22 April</b>						
<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	40609	41234	41791	42287	42727
<b>Sample end (projection made): 23 April</b>						
<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	41720	42452	43110	43701	44229	44699

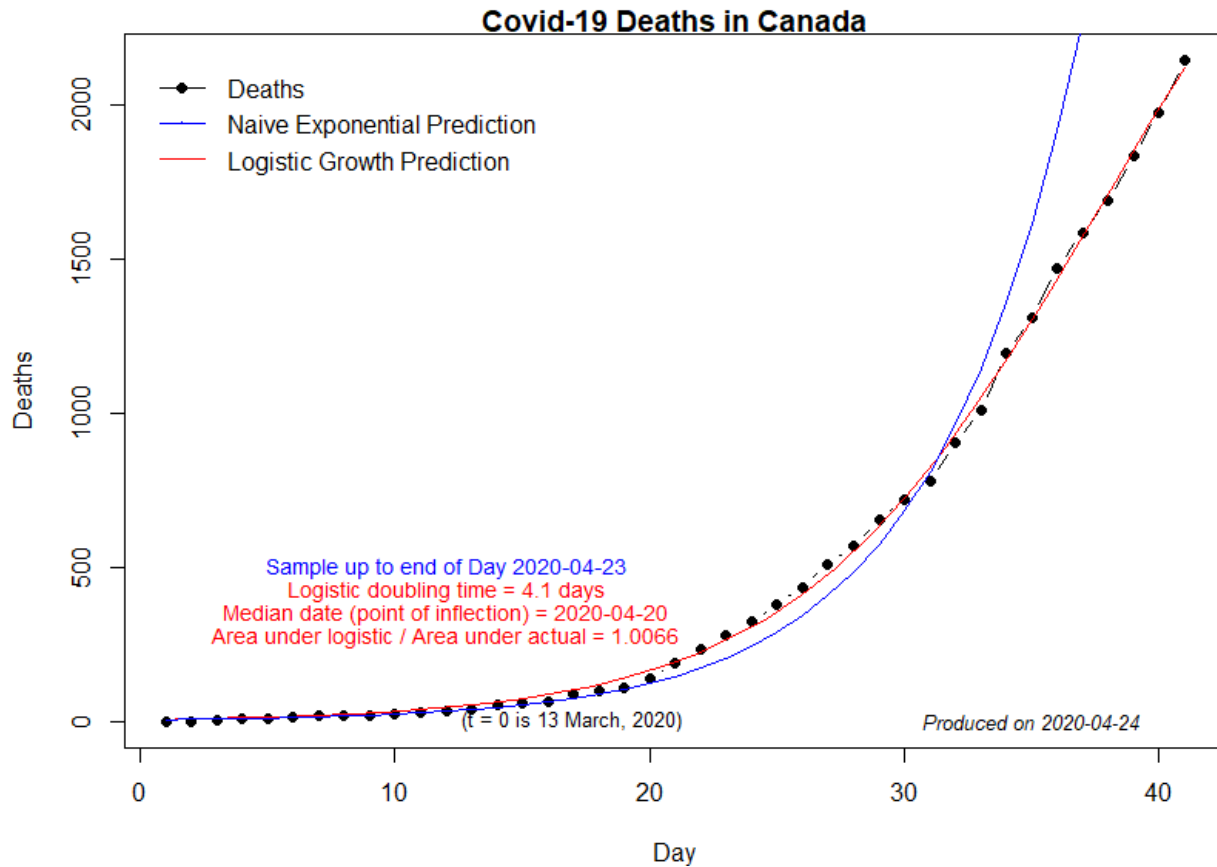
## 2. Total Number of Deaths

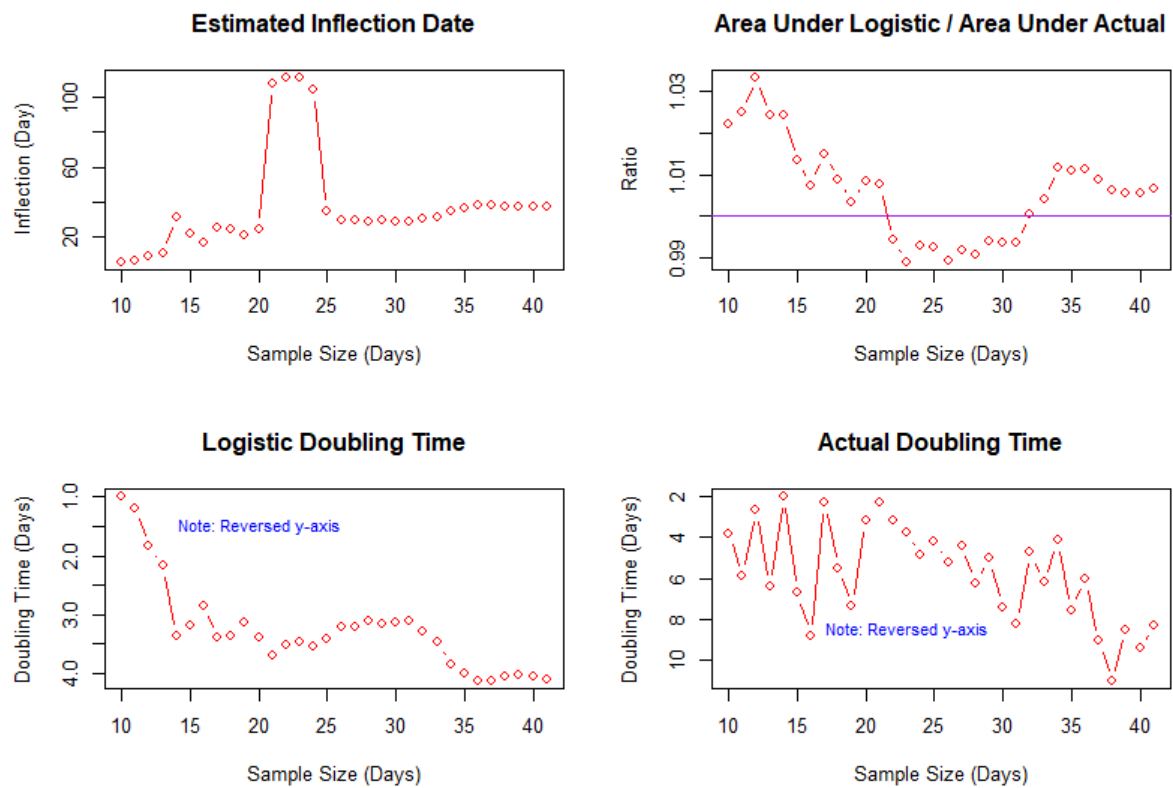
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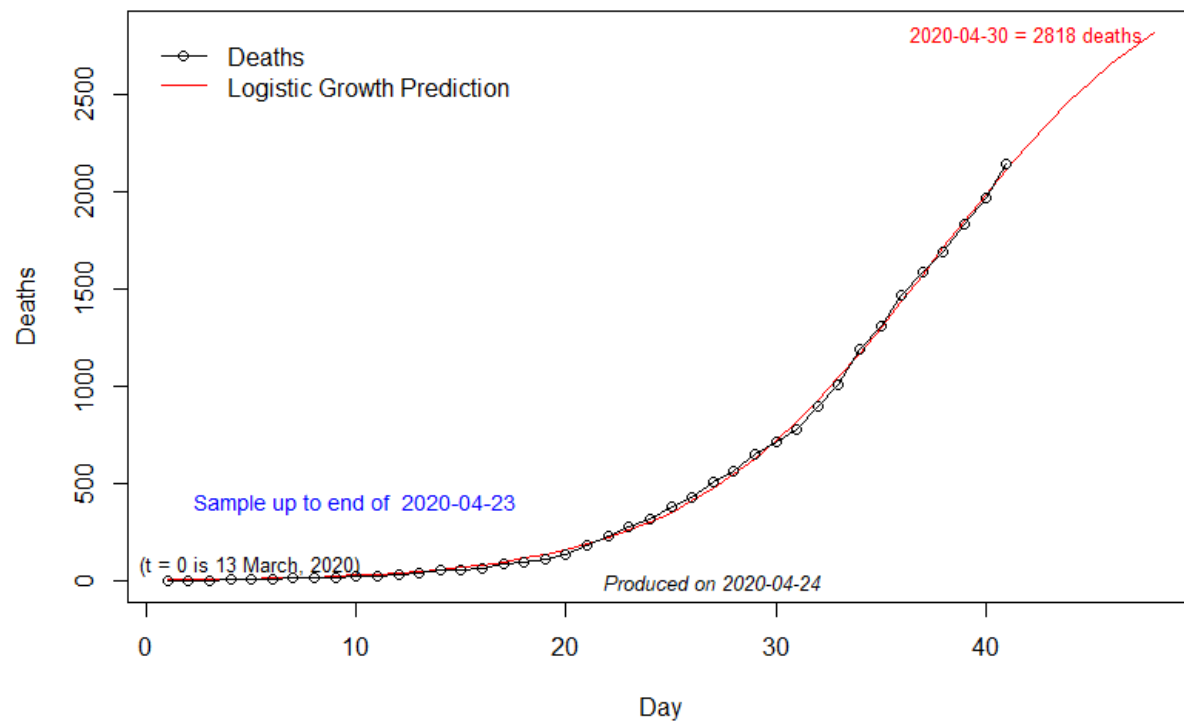
The code will automatically download the latest data from my github account.

The chart below shows results based on *data from 14 March to 23 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)**

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**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]				

**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]					

**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]						

**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

## ONTARIO

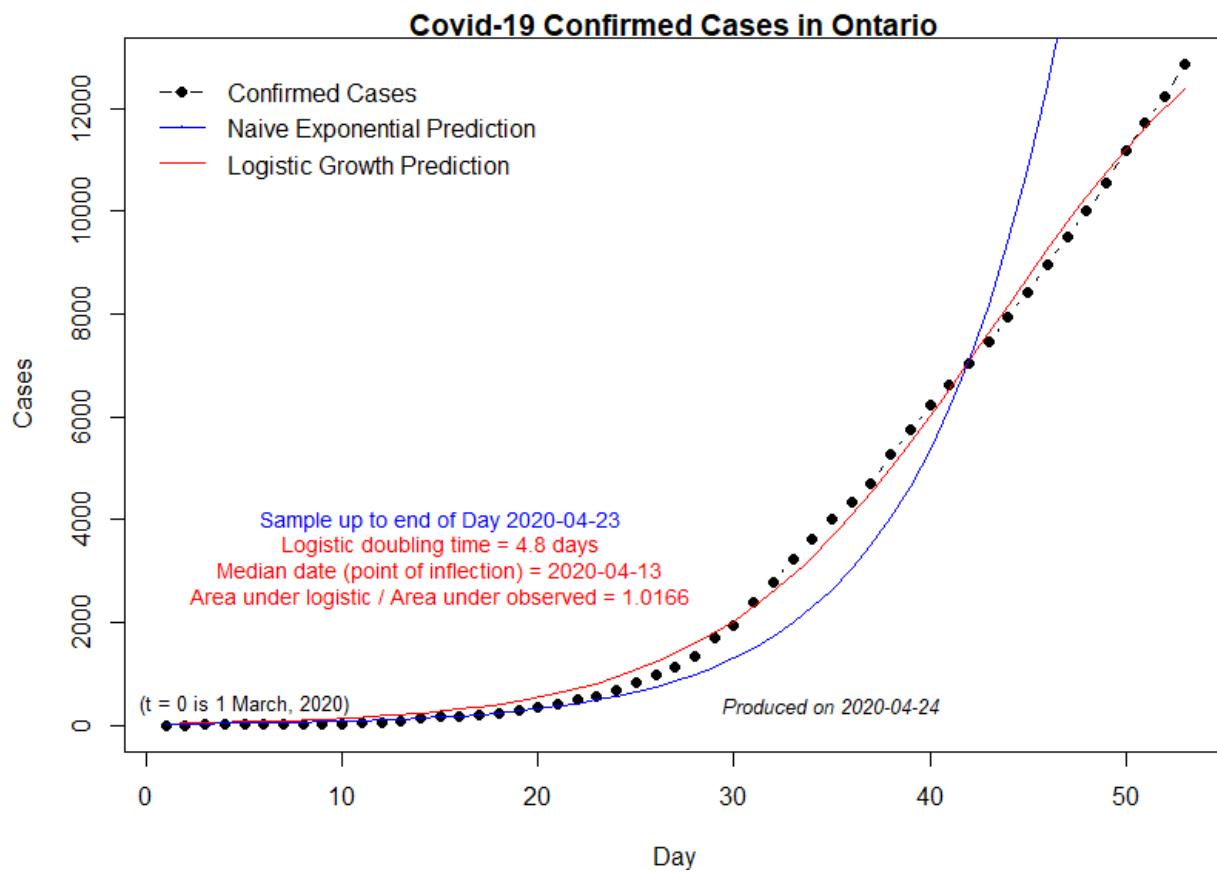
### 1. Total Confirmed Cases

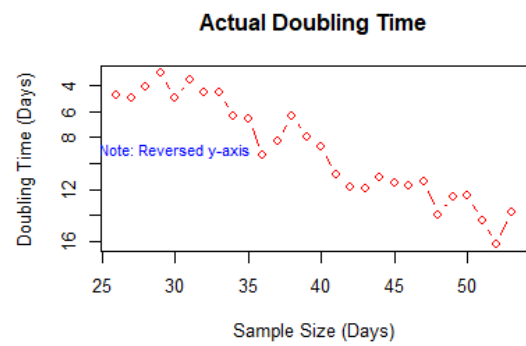
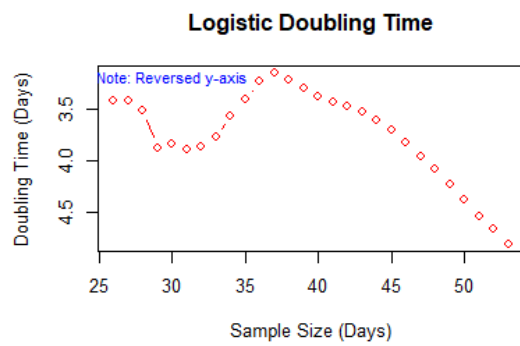
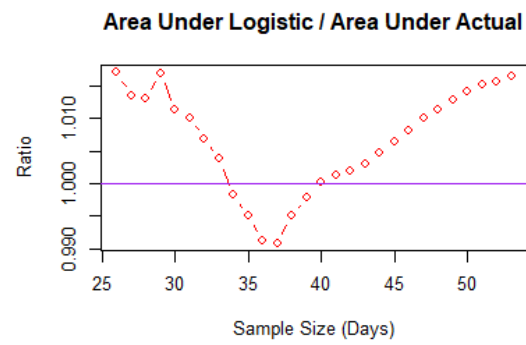
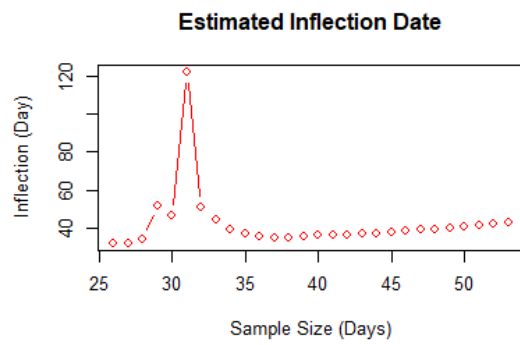
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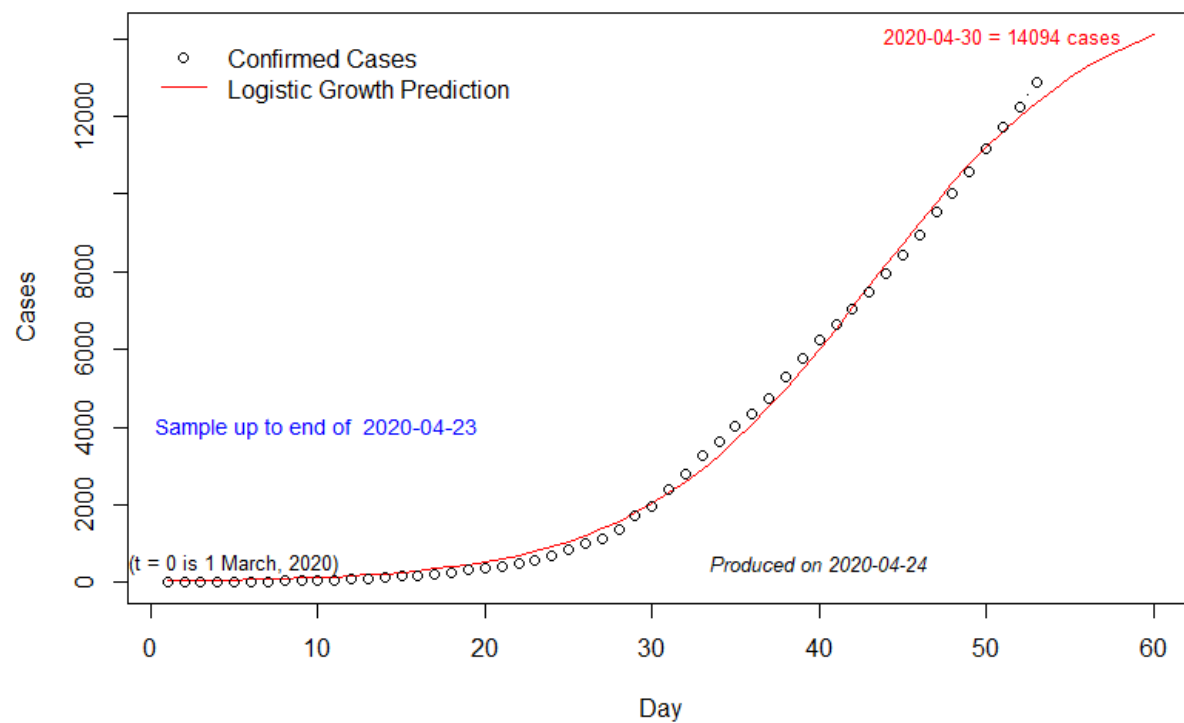
The code will automatically download the latest data from my github account.

The chart below shows results based on *data from 2 March to 23 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)**

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<b>Sample end (projection made): 20 April</b>						
<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]				
<b>Sample end (projection made): 21 April</b>						
<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]					
<b>Sample end (projection made): 22 April</b>						
<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]						
<b>Sample end (projection made): 23 April</b>						
<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

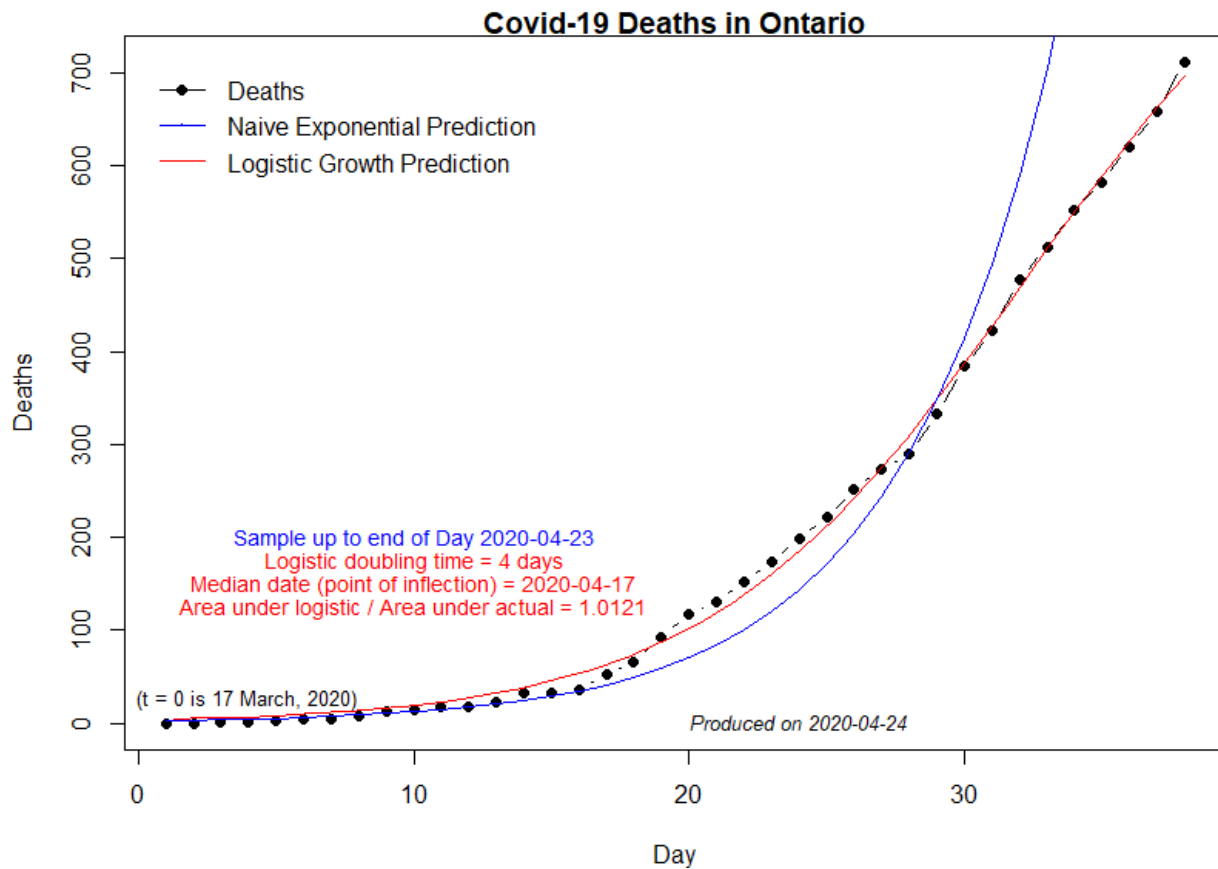
## 2. Total Number of Deaths

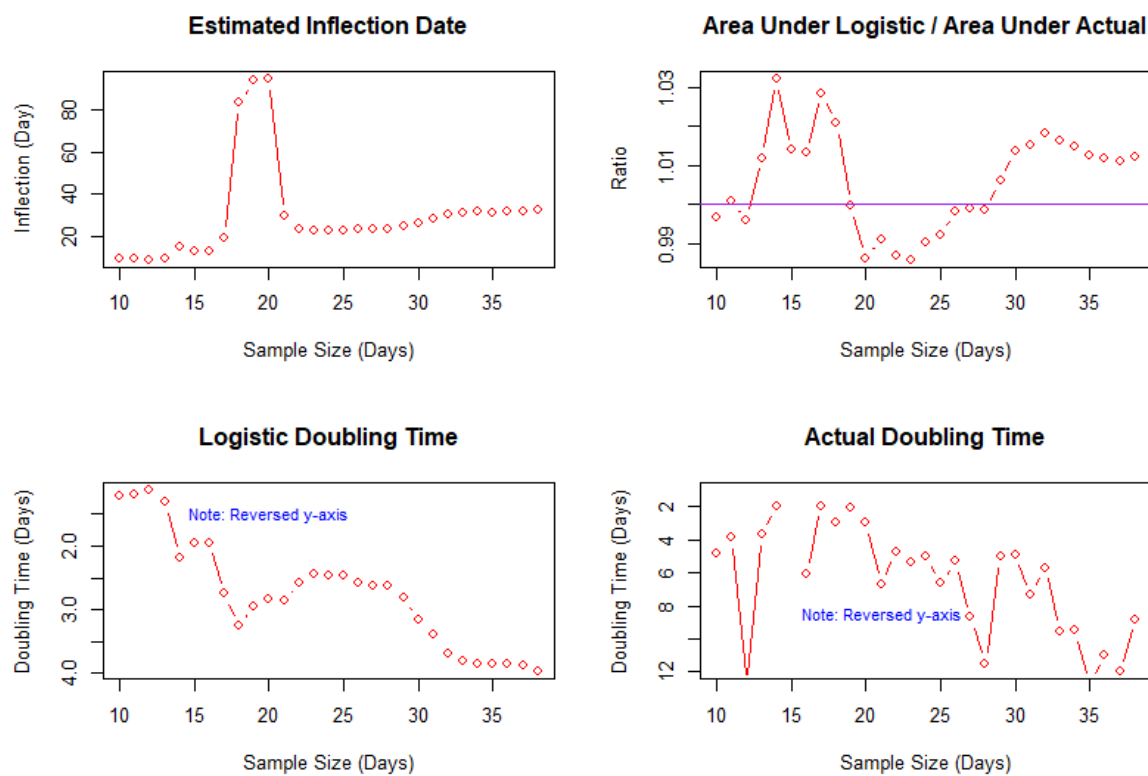
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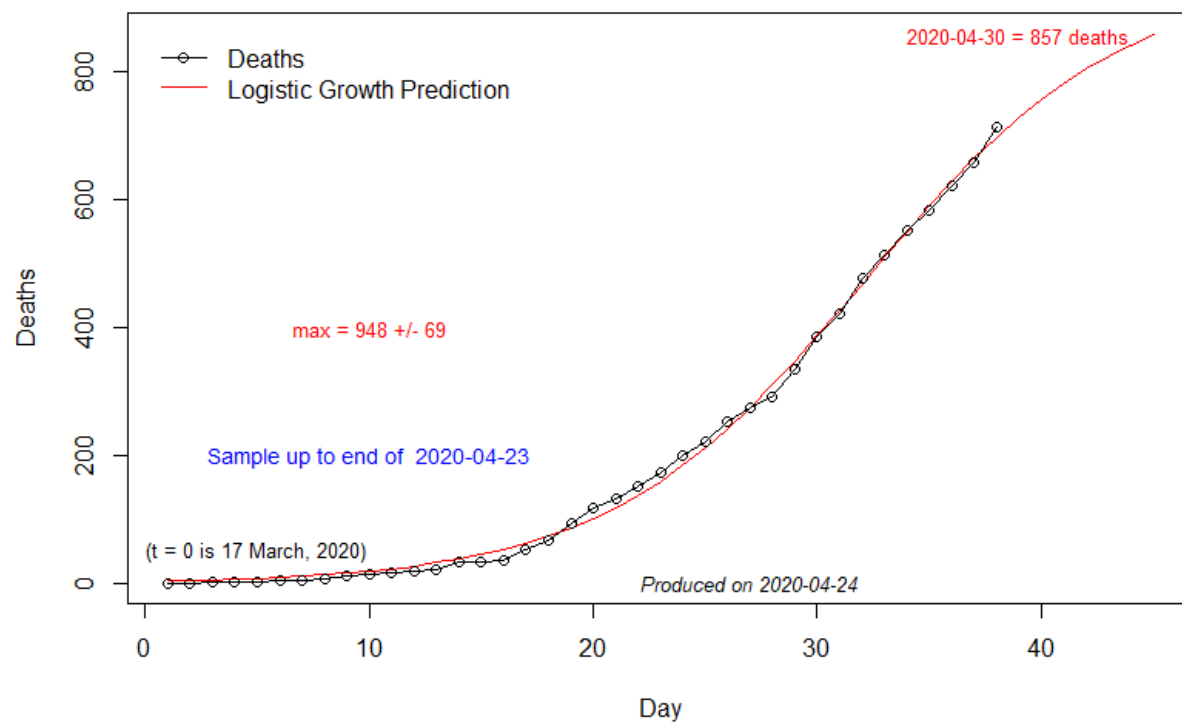
The code will automatically download the latest data from my github account.

The chart below shows results based on *data from 17 March to 23 April inclusive*.





### 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)**

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**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]				

**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]					

**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]						

**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