

New Cases Victoria

1st Wave

<u>Date</u>	<u>Number</u>
14-Mar-20	13
15-Mar-20	8
16-Mar-20	14
17-Mar-20	23
18-Mar-20	27
19-Mar-20	29
20-Mar-20	28
21-Mar-20	51
22-Mar-20	67
23-Mar-20	61
24-Mar-20	54
25-Mar-20	65
26-Mar-20	54
27-Mar-20	54
28-Mar-20	111
29-Mar-20	84
30-Mar-20	52
31-Mar-20	96
01-Apr-20	51
02-Apr-20	68
03-Apr-20	49
04-Apr-20	30
05-Apr-20	20
06-Apr-20	23
07-Apr-20	33
08-Apr-20	21
09-Apr-20	16
10-Apr-20	13
11-Apr-20	24

2nd Wave

<u>Date</u>	<u>Number</u>
22-Jul-20	484
23-Jul-20	403
24-Jul-20	300
25-Jul-20	357
26-Jul-20	459
27-Jul-20	532
28-Jul-20	384
29-Jul-20	295
30-Jul-20	723
31-Jul-20	627
01-Aug-20	397
02-Aug-20	671
03-Aug-20	429
04-Aug-20	439
05-Aug-20	725
06-Aug-20	471
07-Aug-20	450
08-Aug-20	466
09-Aug-20	394
10-Aug-20	322
11-Aug-20	331
12-Aug-20	410
13-Aug-20	278
14-Aug-20	372
15-Aug-20	303
16-Aug-20	279
17-Aug-20	282
18-Aug-20	222
19-Aug-20	216

Peak of each wave

Data Source (06/09/2020):

<https://www.abc.net.au/news/2020-03-17/coronavirus-cases-data-reveals-how-covid-19-spreads-in-australia/12060704?nw=0>

One way to calculate Reproductive Factor (R Value) of the Covid-19 virus is to divide the New Cases on any date by the New Cases 5 days before.

1. For each wave predict then calculate R on the peak day.
Record the date and the R value.
2. For each wave choose 3 dates before the peak and 3 dates after.
Record each date, predict and then calculate R.
3. Comment on what you notice.