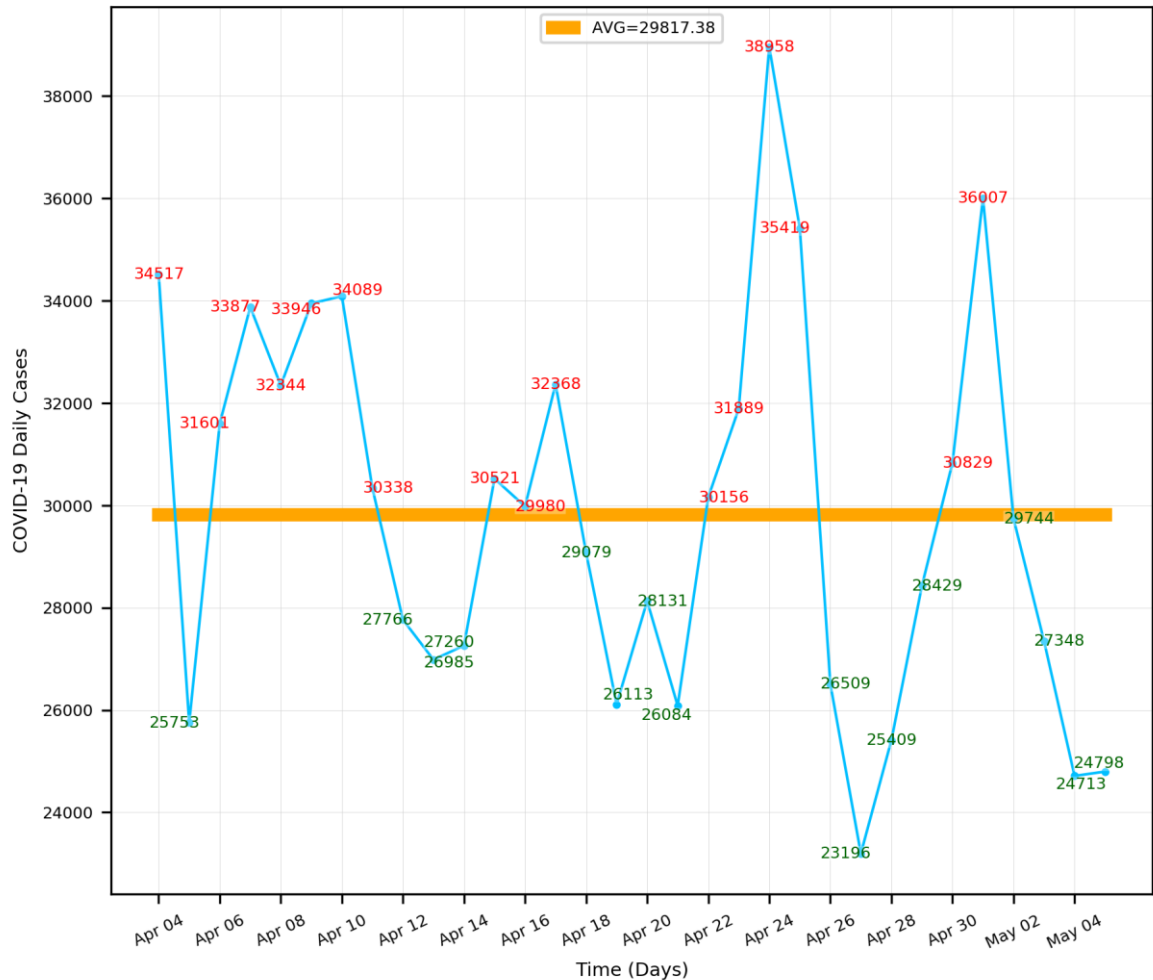


# COVID-19 'MODIFIED' Control Chart Analysis

As of Tuesday 5/05/2020, 5:00PM HST

# USA

'Modified' Control Chart of COVID-19 Daily Cases in USA (Apr 04, 2020 - May 05, 2020)

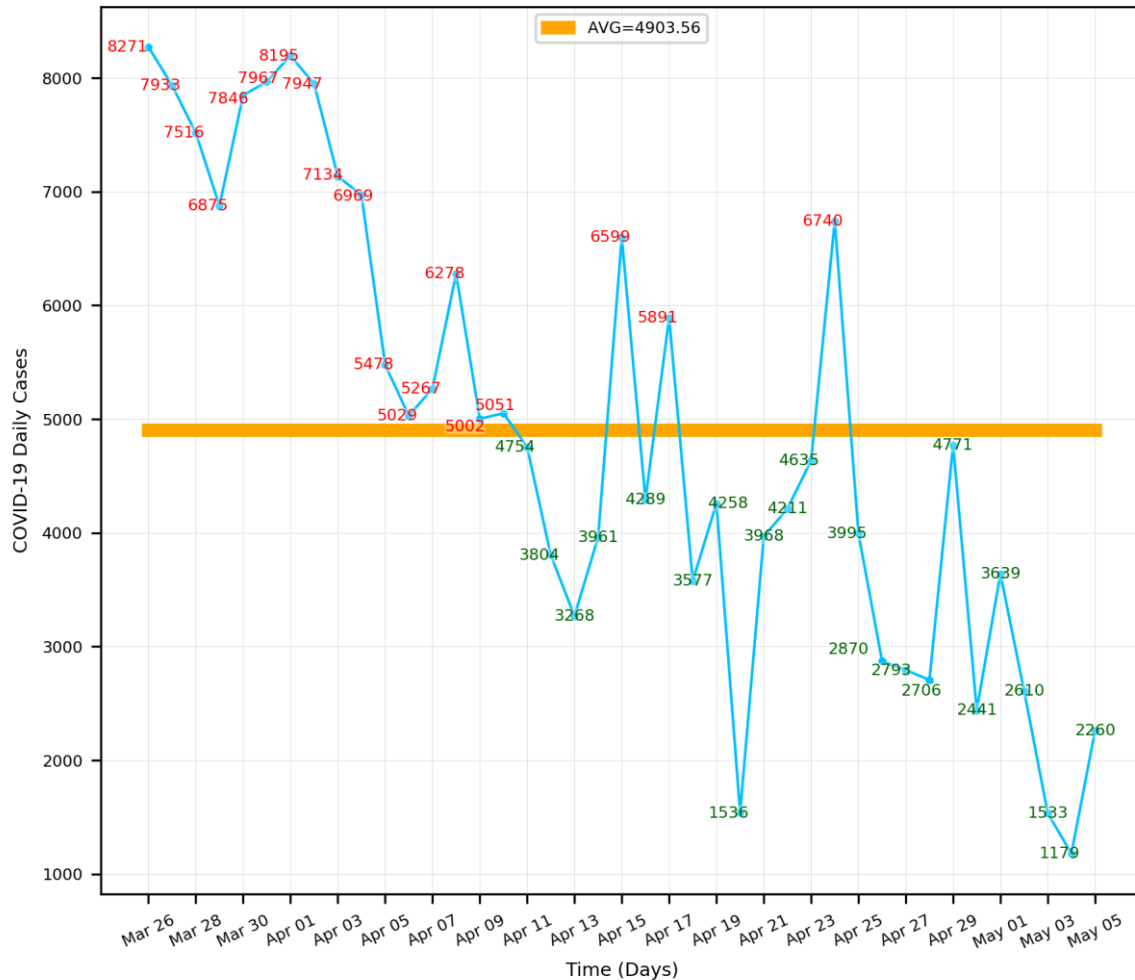


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 and 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in USA. Also, the linear trendline has a remarkable downward slope.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last four points (5/2/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in USA during this period. Also, the linear trendline has a remarkable downward slope.

# Spain

'Modified' Control Chart of COVID-19 Daily Cases in SPAIN (Mar 26, 2020 - May 05, 2020)

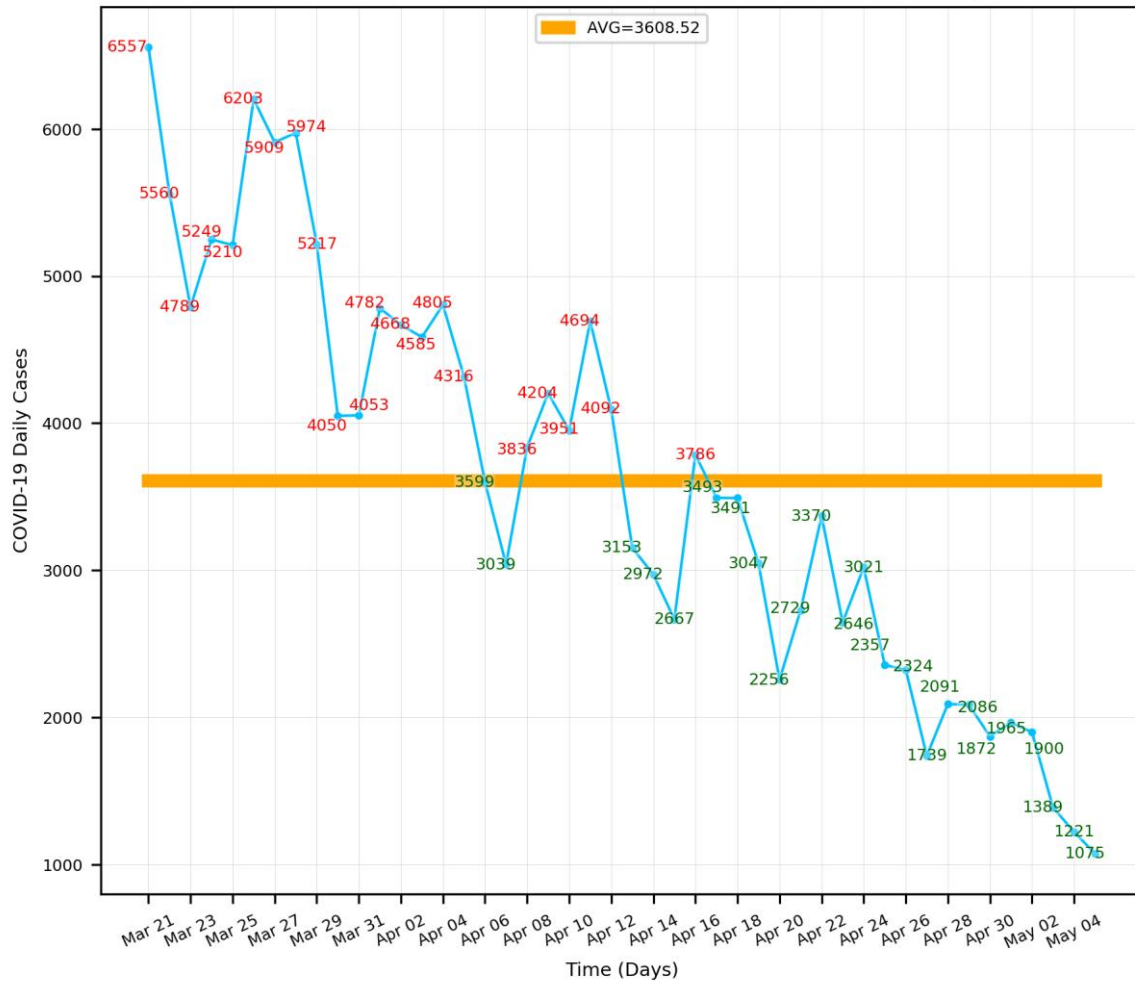


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Spain.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Spain during this period. Also, the linear trendline has a downward slope.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (4/27/20 – 5/5/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern indicates that the daily COVID-19 cases in Spain are stabilizing in a positive direction.

# Italy

'Modified' Control Chart of COVID-19 Daily Cases in ITALY (Mar 21, 2020 - May 05, 2020)

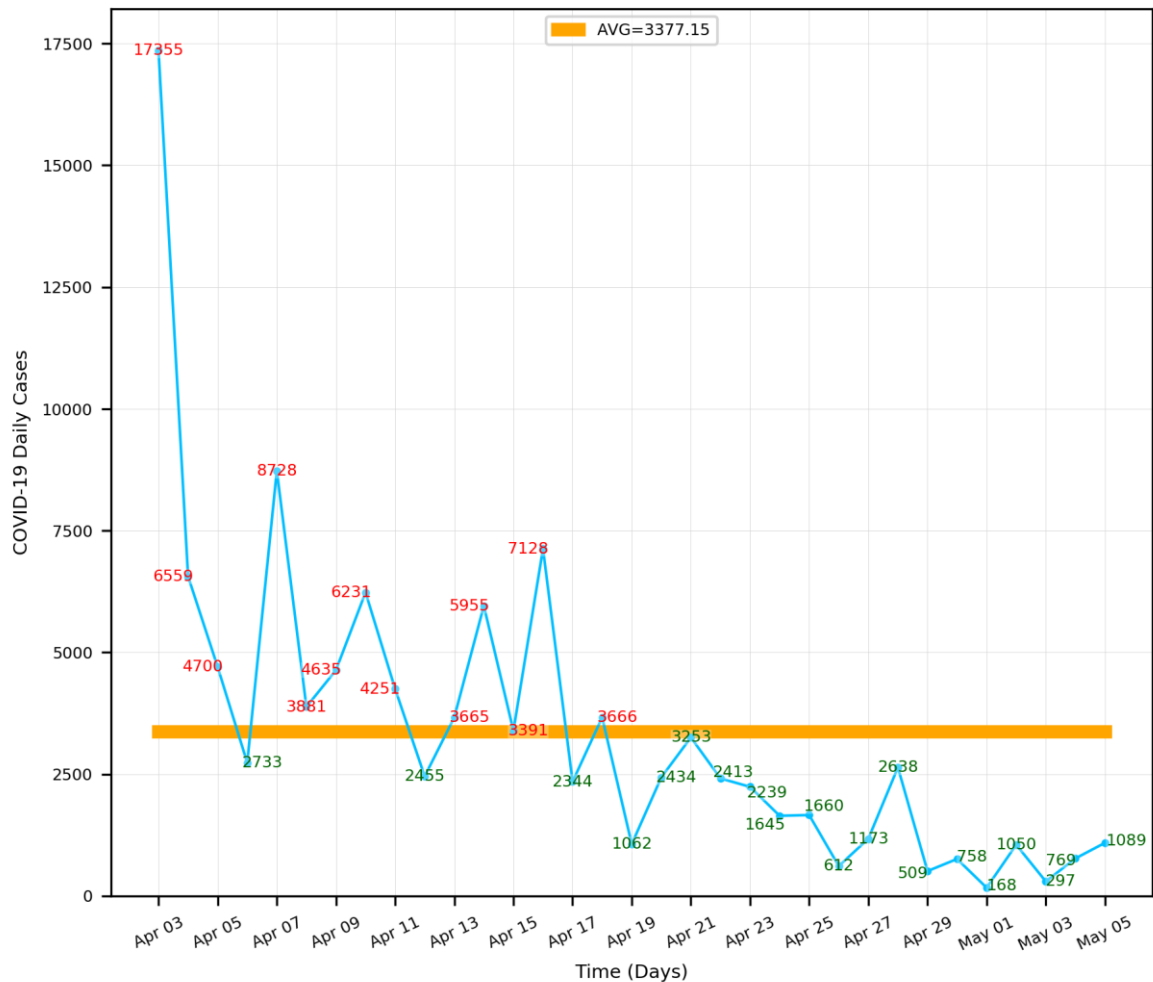


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Italy. Also, the linear trendline has a downward slope.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Italy. Also, the linear trendline has a remarkable downward slope.
- Nine successive points are on one side of the centerline.
  - The nine consecutive points (4/27/20 – 5/5/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern indicates that the daily COVID-19 cases in Italy are stabilizing in a positive direction.

# France

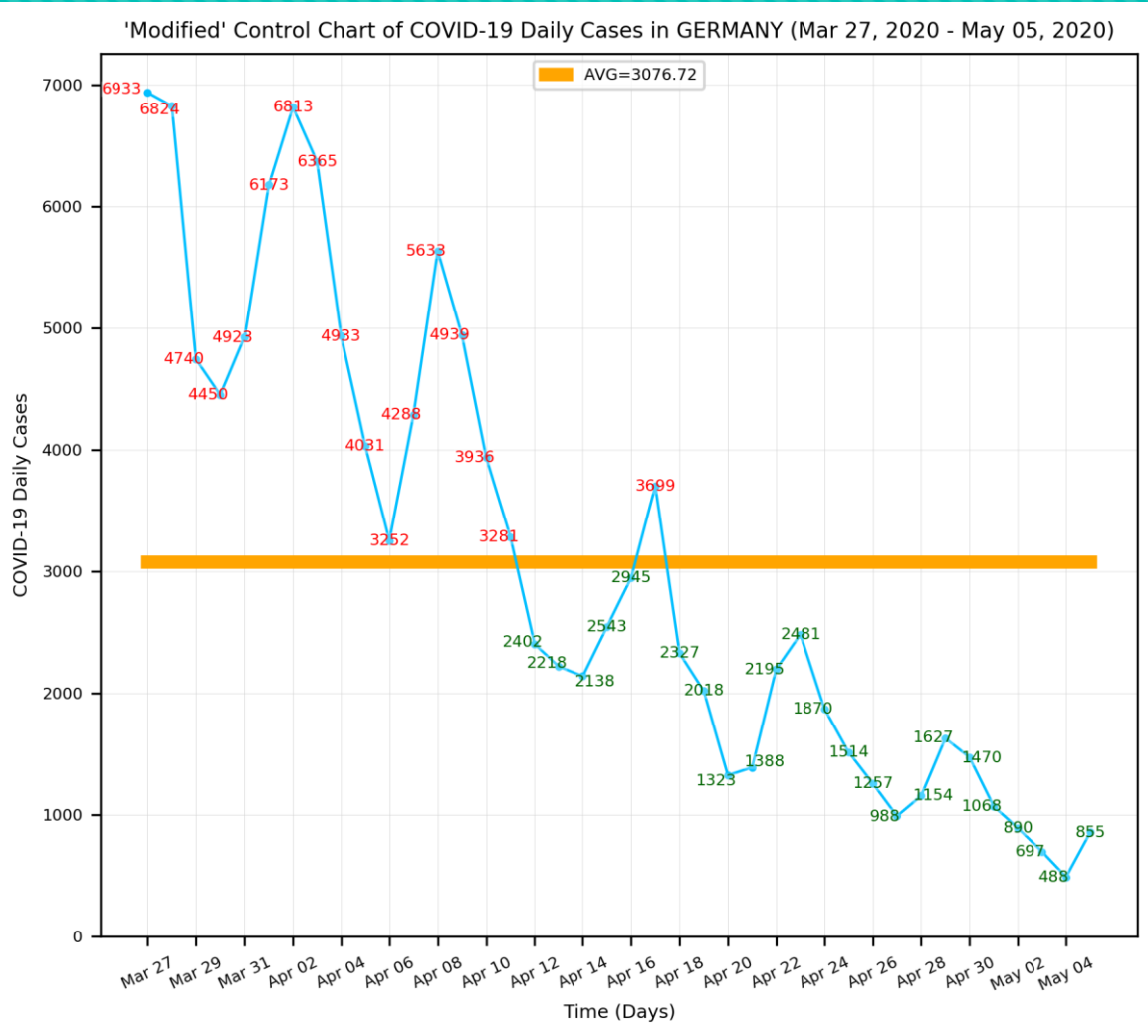
'Modified' Control Chart of COVID-19 Daily Cases in FRANCE (Apr 03, 2020 - May 05, 2020)



## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in France.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in France.
- Nine successive points are on one side of the centerline.
  - The nine consecutive points (4/27/20 – 5/5/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern indicates that the daily COVID-19 cases in France are stabilizing in a positive direction.

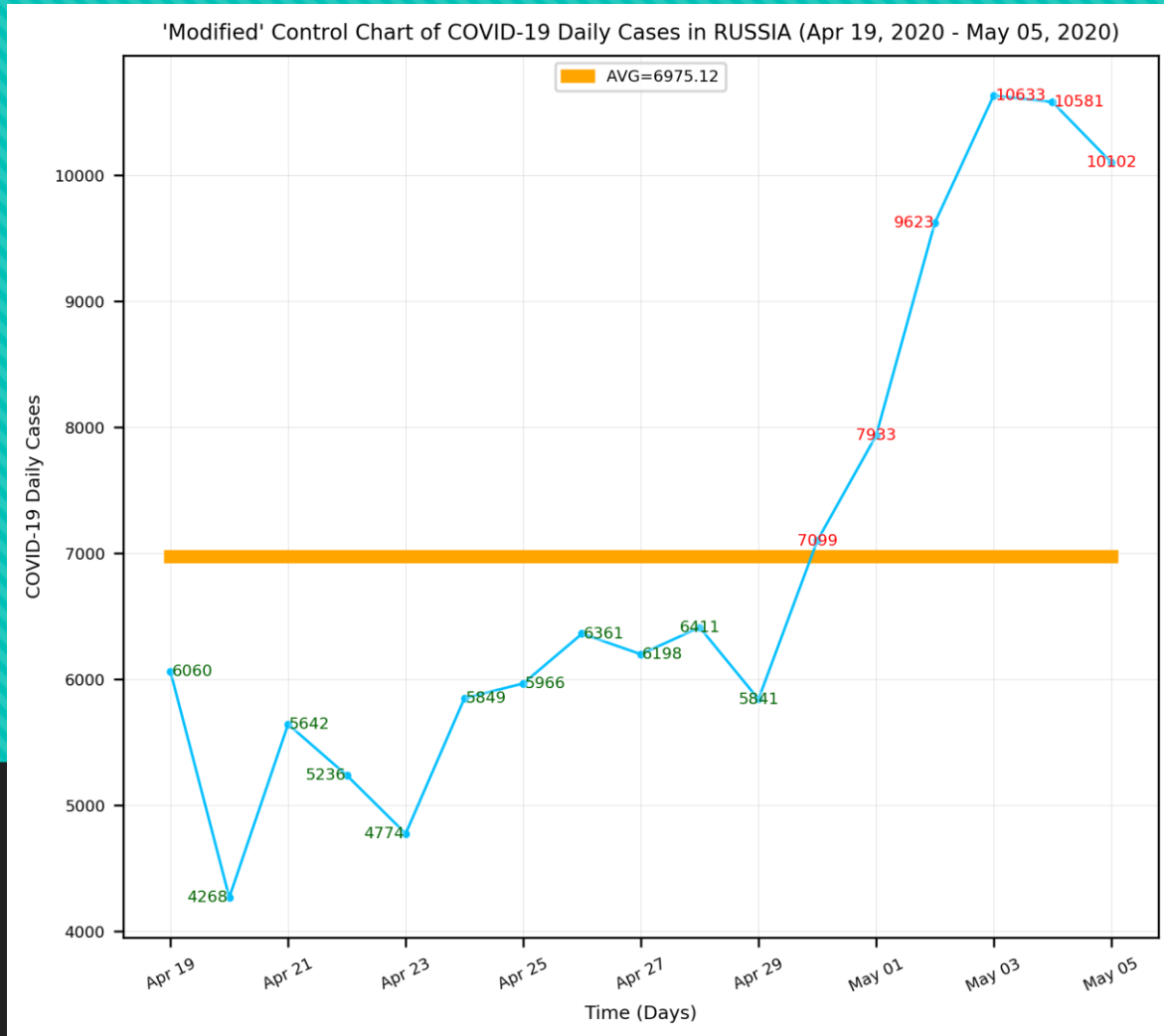
# Germany



## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Germany.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Germany. Also, the linear trendline has a downward slope.
- Nine successive points are on one side of the centerline.
  - The nine consecutive points (4/27/20 – 5/5/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern indicates that the daily COVID-19 cases in Germany are stabilizing in a positive direction.
- There are six consecutive points, increasing or decreasing.
  - There are six consecutive points (4/8/20 - 4/15/20) decreasing which indicates a good 'out-of-control' sign.

# Russia

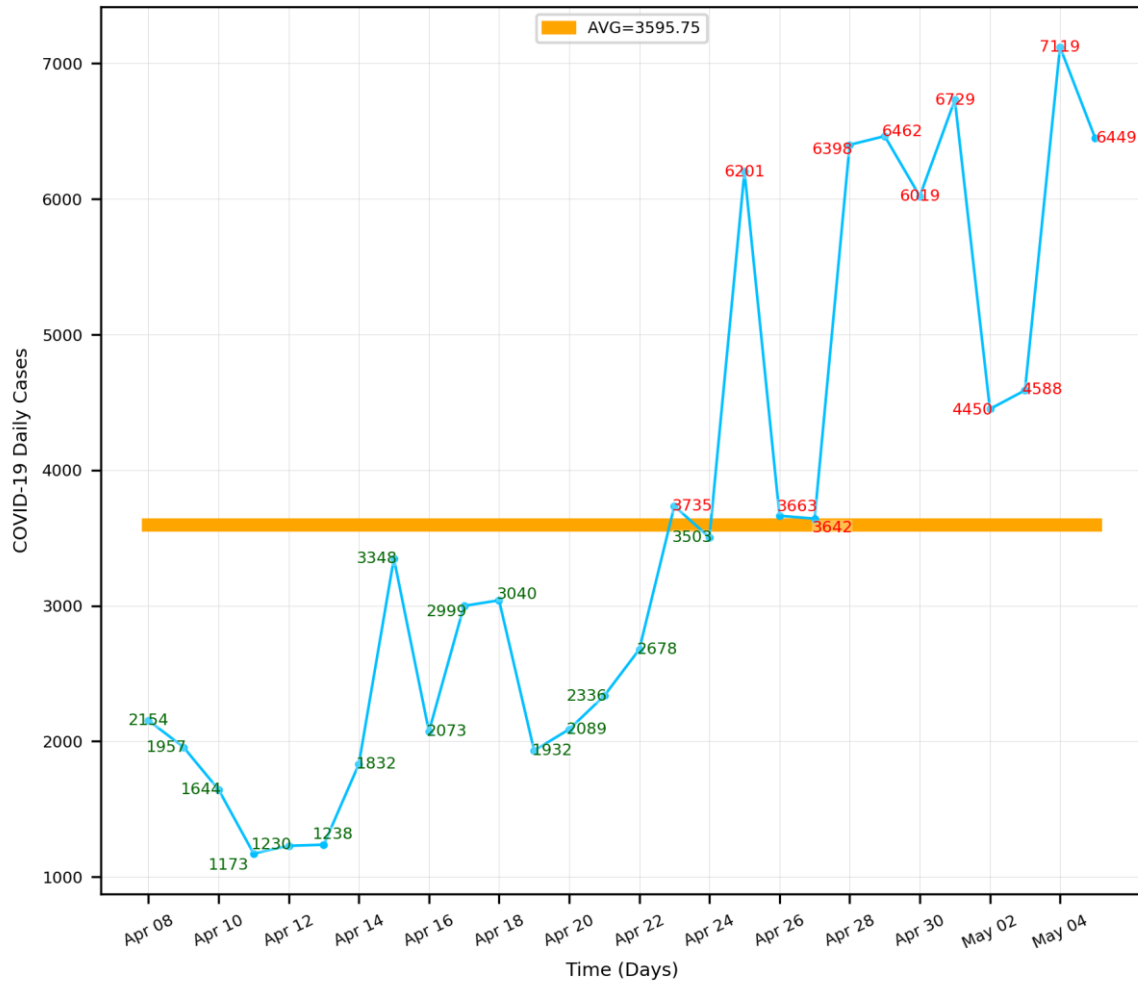


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 and 5/5/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in Russia. The linear trendline has a downward slope.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in Russia.

# Brazil

'Modified' Control Chart of COVID-19 Daily Cases in BRAZIL (Apr 08, 2020 - May 05, 2020)

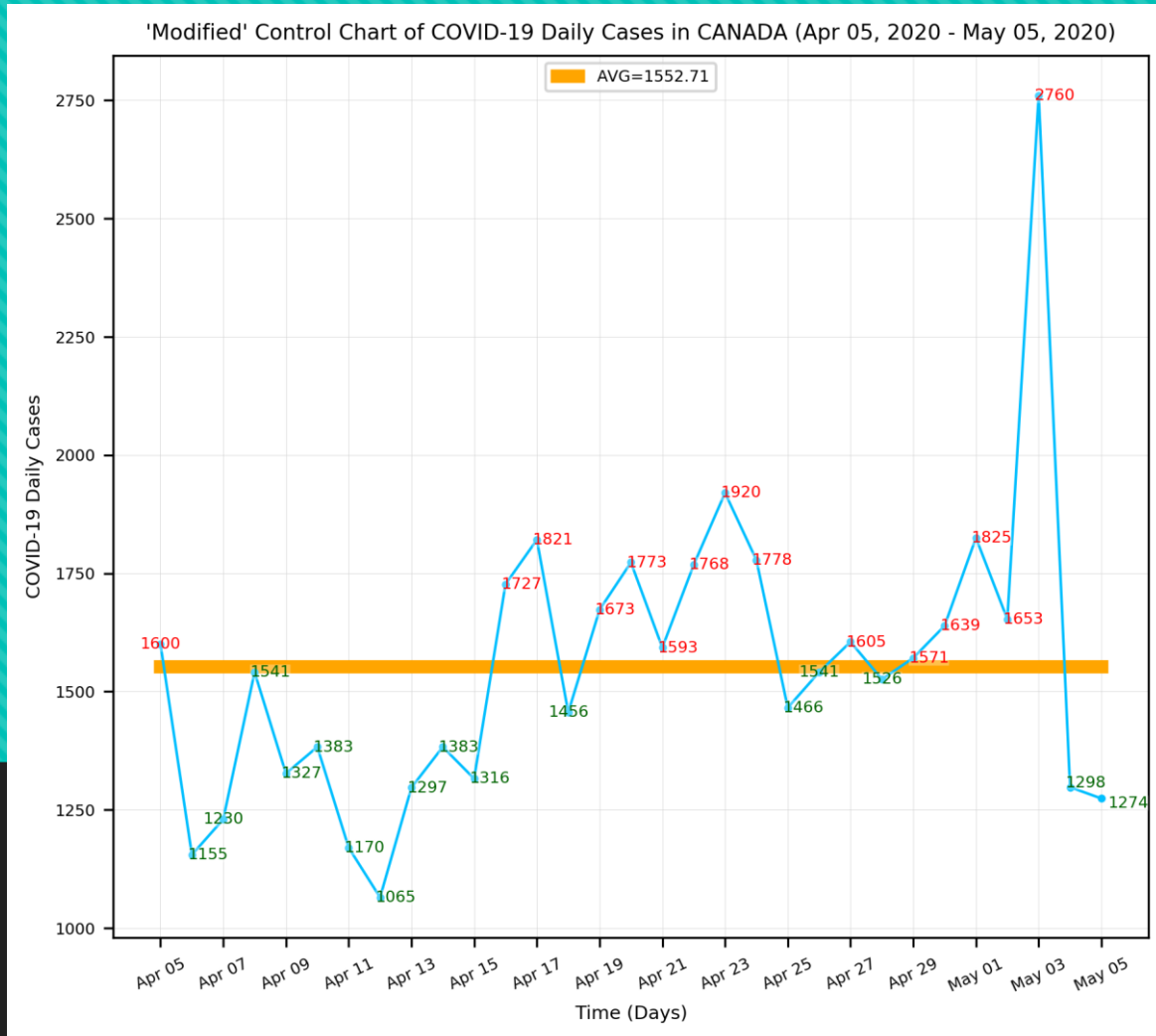


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in Brazil.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all above the control line, which indicates that there is a bad 'out-of-control' pattern for COVID-19 cases in Brazil.
- Nine successive points are on one side of the centerline.
  - The nine consecutive points (4/27/20 – 5/5/20) are all on one side (above) of the centerline. This bad 'out-of-control' pattern indicates that the daily COVID-19 cases in Brazil are stabilizing in a bad direction.



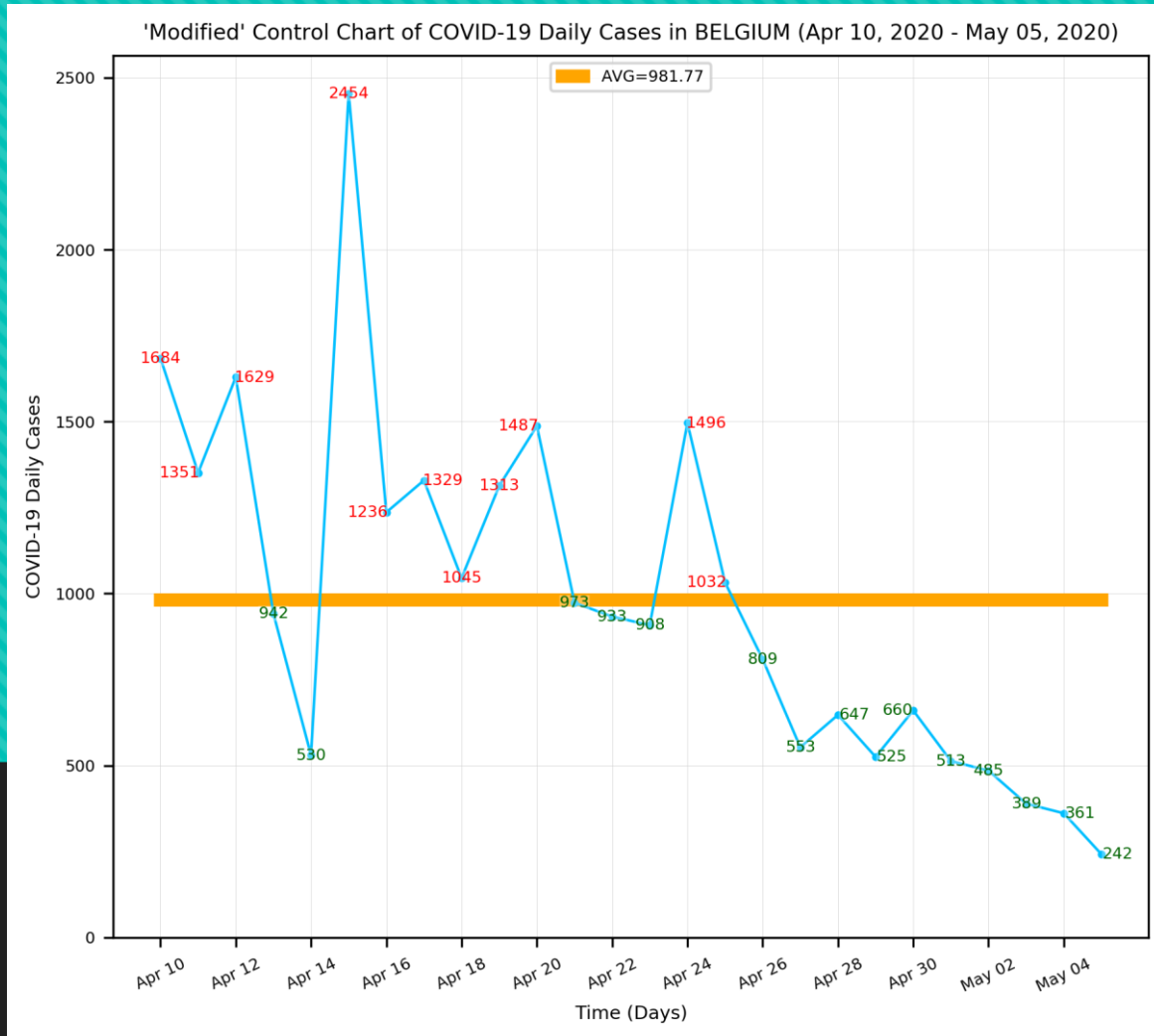
# Canada



## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last two points (5/4/20 and 5/5/20) are both below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Canada.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - Four points (4/30/20 – 5/3/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in Canada during this period.
- Nine successive points are on one side of the centerline.
  - The nine consecutive points (4/7/20 – 4/15/20) are all on one side (below) of the centerline. This was a good 'out-of-control' pattern during this period.

# Belgium

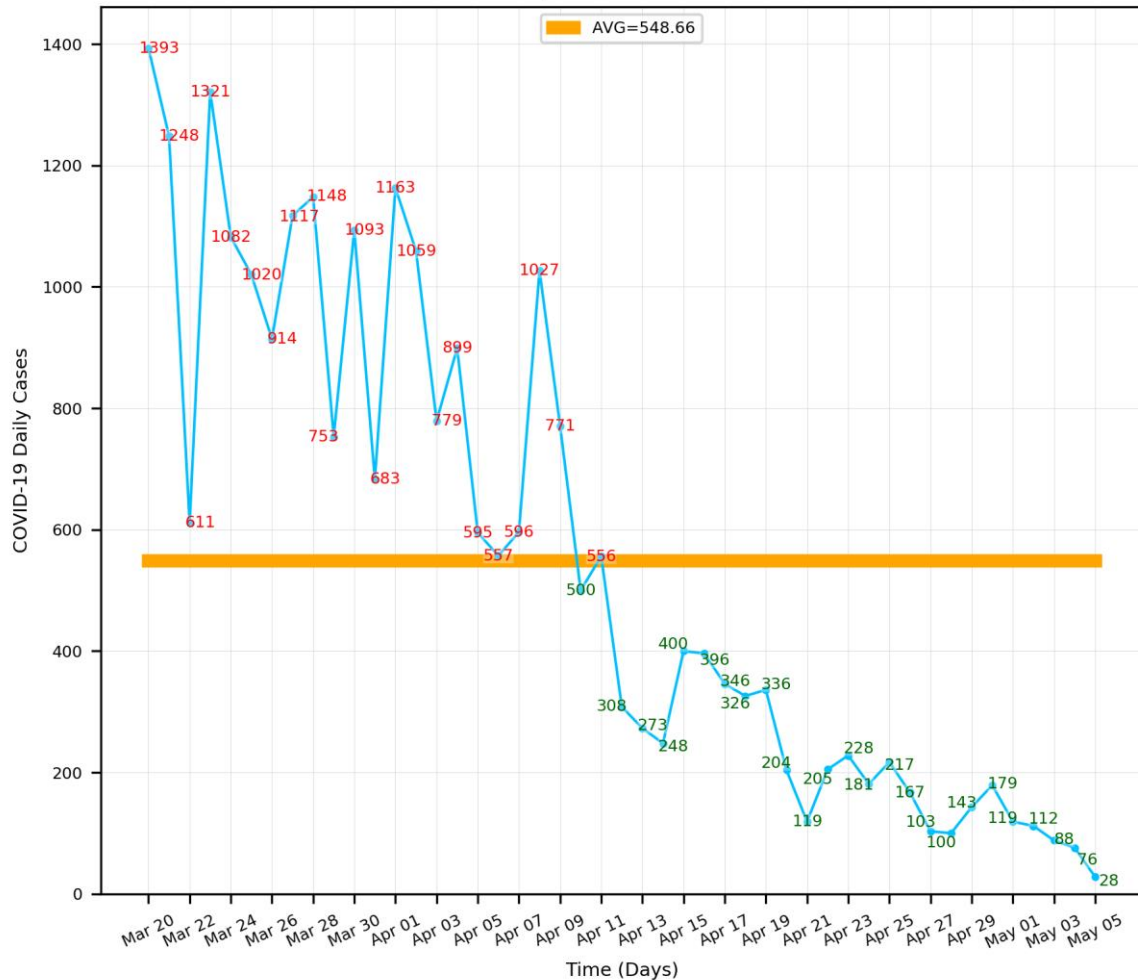


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Belgium. Also, the linear trendline has a downward slope.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Belgium. Also, the linear trendline has a downward slope.
- Nine successive points are on one side of the centerline.
  - The nine consecutive points (4/27/20 – 5/5/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern indicates that the daily COVID-19 cases in Belgium are stabilizing in a positive direction.

# Switzerland

'Modified' Control Chart of COVID-19 Daily Cases in SWITZERLAND (Mar 20, 2020 - May 05, 2020)

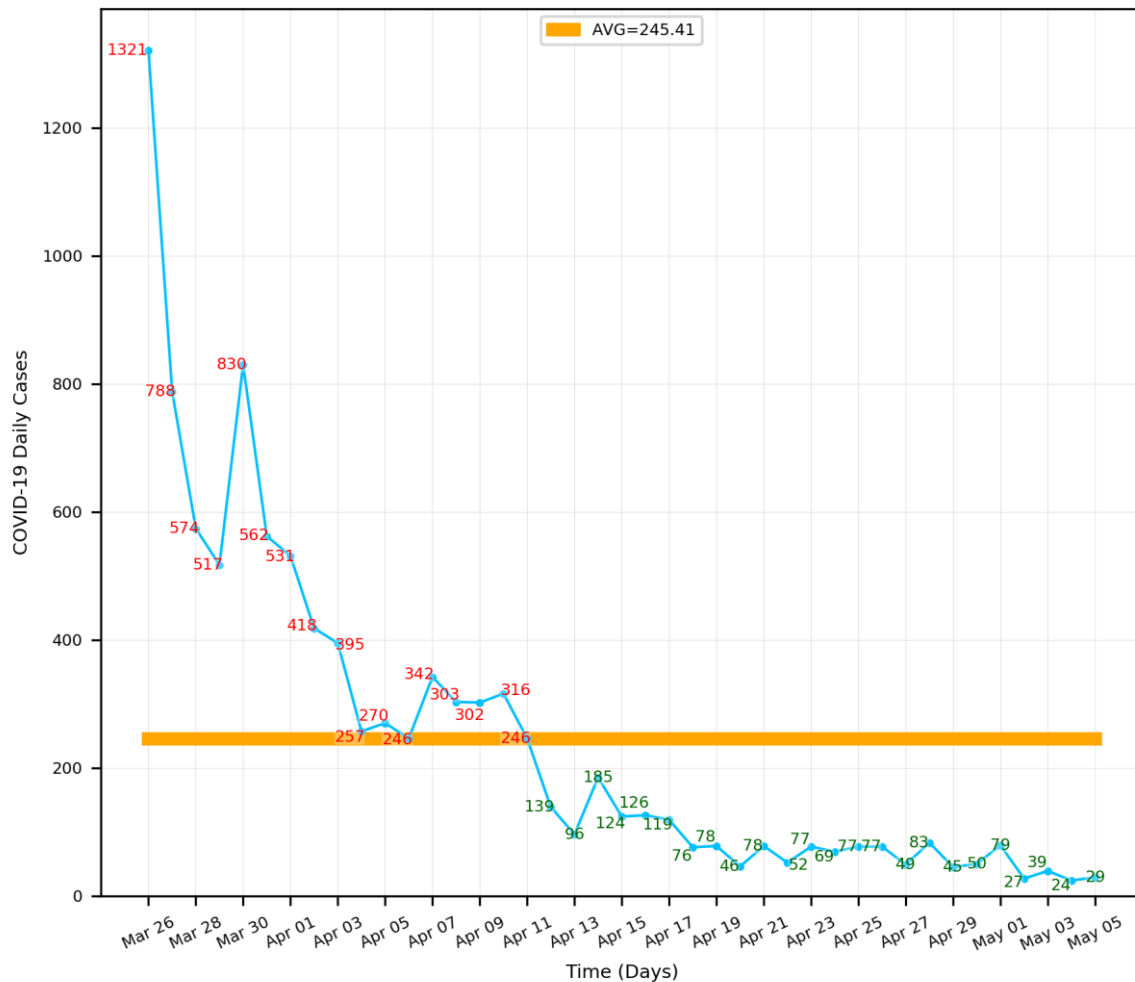


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Switzerland. Also, the linear trendline has a downward slope.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Switzerland. Also, the linear trendline has a remarkable downward slope.
- Nine successive points are on one side of the centerline.
  - The nine consecutive points (4/27/20 – 5/5/20) are all on one side (below) of the centerline. This is a good 'out-of-control' pattern and indicates that the COVID-19 cases in Switzerland are stabilizing in a positive direction.

# Austria

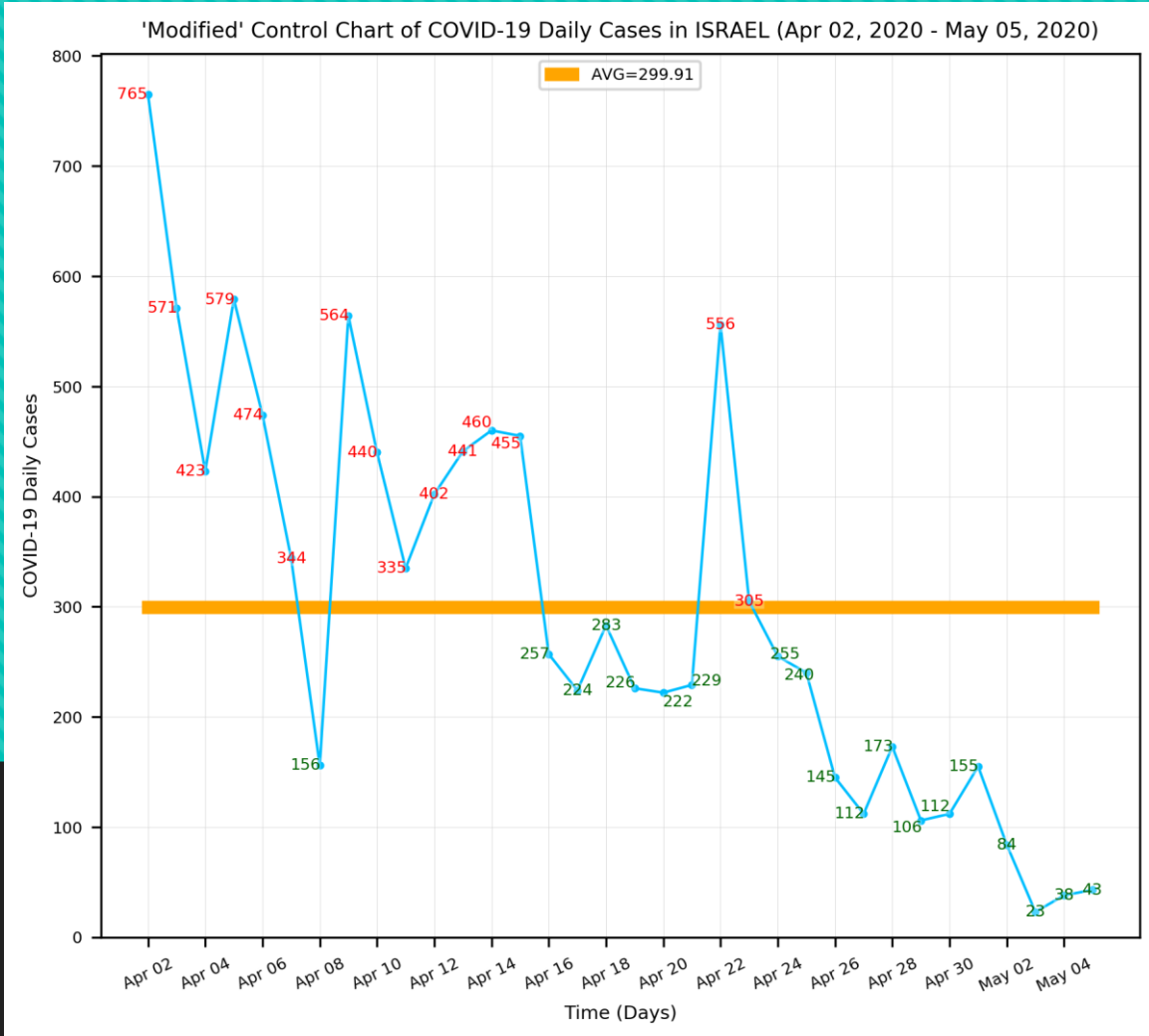
'Modified' Control Chart of COVID-19 Daily Cases in AUSTRIA (Mar 26, 2020 - May 05, 2020)



## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Austria.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Austria. Also, a remarkable linear trend line with a downward slope can be observed from 3/26/20.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (4/27/20 – 5/5/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern suggests that the daily COVID-19 cases in Austria are stabilizing in a positive direction.

# Israel

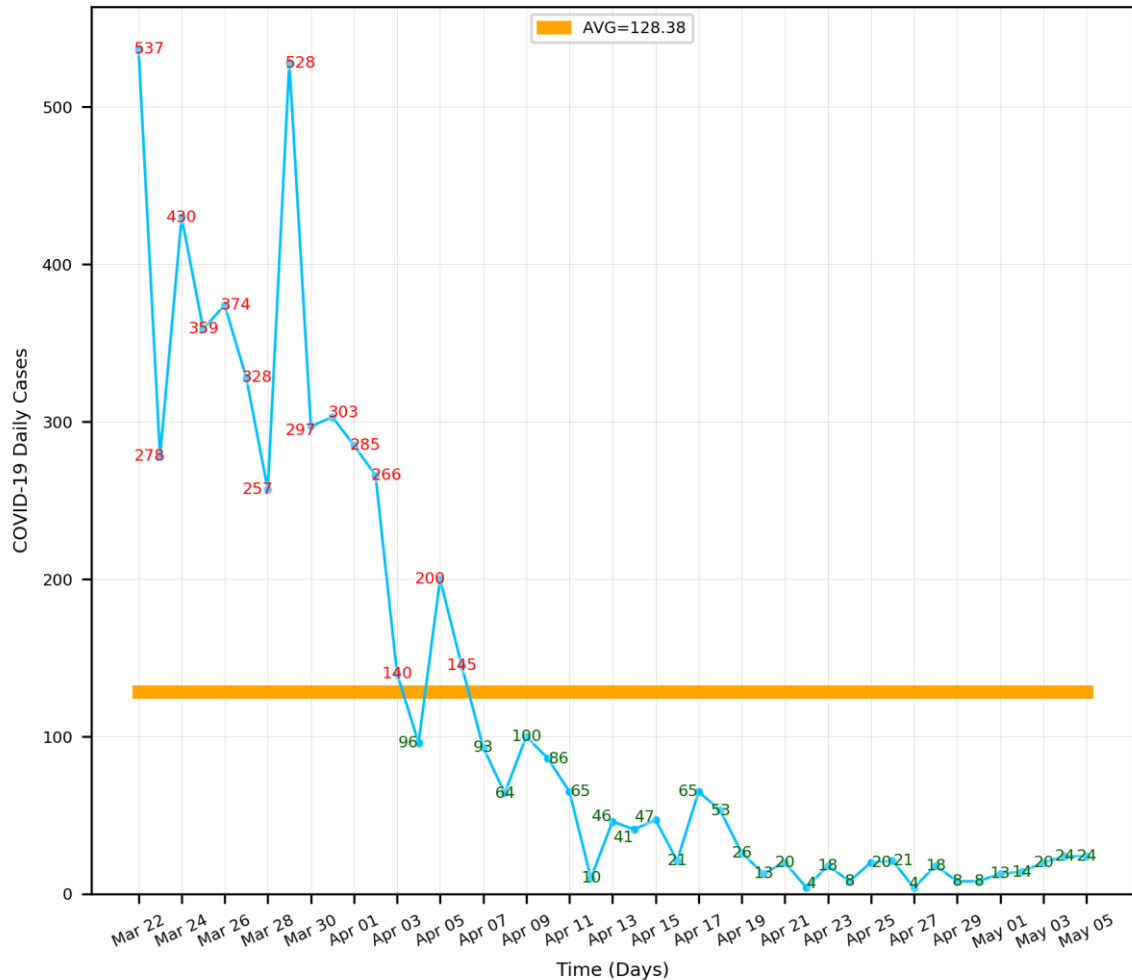


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Israel.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Israel. Also, the linear trendline has a downward slope.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (4/27/20 – 5/5/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern suggests that the daily COVID-19 cases in Israel are stabilizing in a positive direction.

# Australia

'Modified' Control Chart of COVID-19 Daily Cases in AUSTRALIA (Mar 22, 2020 - May 05, 2020)

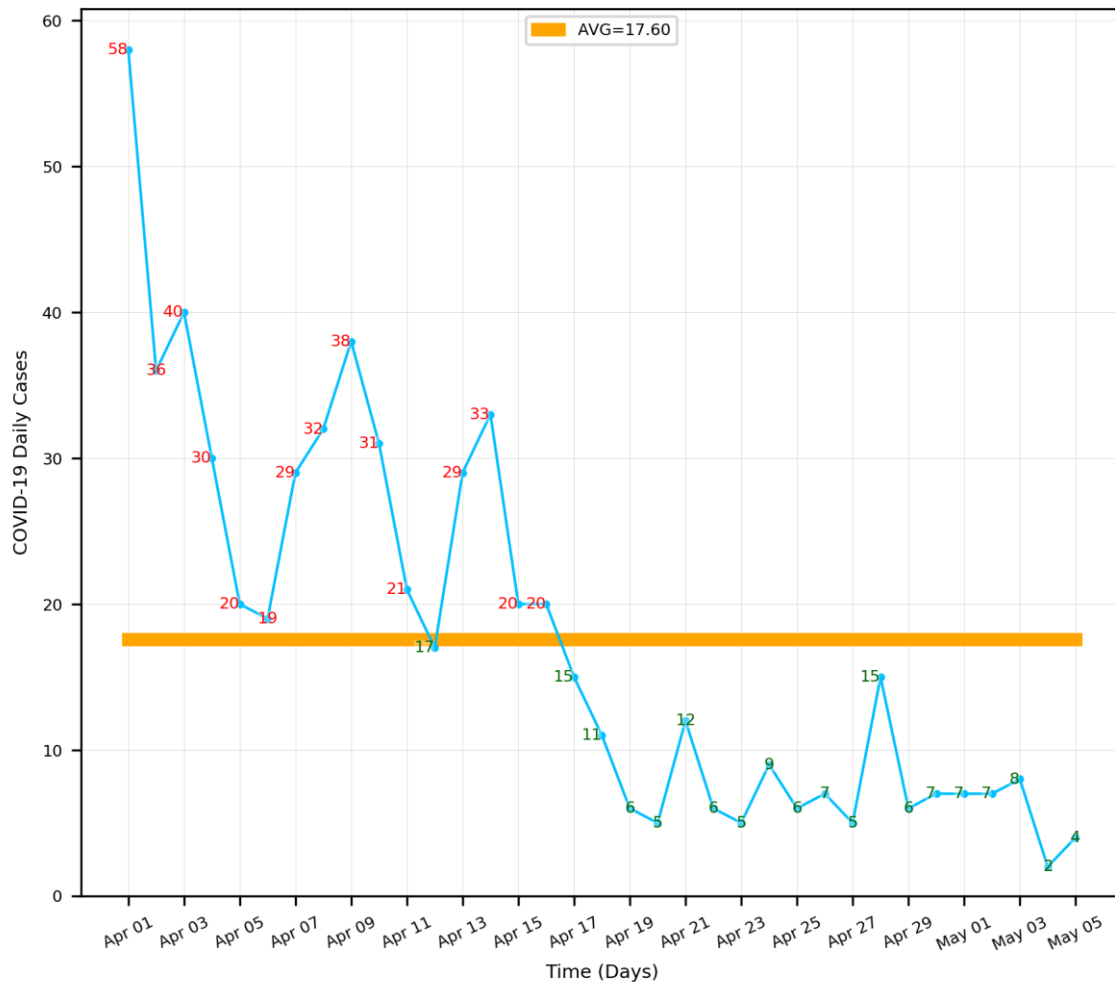


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Australia.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all below the control line, which suggests an 'out-of-control' pattern for COVID-19 cases in Australia. A good 'out-of-control' sign. Also, a remarkable linear trend line with a downward slope can be observed from 3/22/20.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (4/27/20 – 5/5/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern suggests that the daily COVID-19 cases in Australia are stabilizing in a positive direction.

# Cyprus

'Modified' Control Chart of COVID-19 Daily Cases in CYPRUS (Apr 01, 2020 - May 05, 2020)



## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (5/3/20 – 5/5/20) are below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Cyprus.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (5/1/20 – 5/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Cyprus. A good 'out-of-control' sign. Also, a linear trend line with a downward slope can be observed from 4/1/20.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (4/27/20 – 5/5/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern suggests that the daily COVID-19 cases in Cyprus are stabilizing in a positive direction.