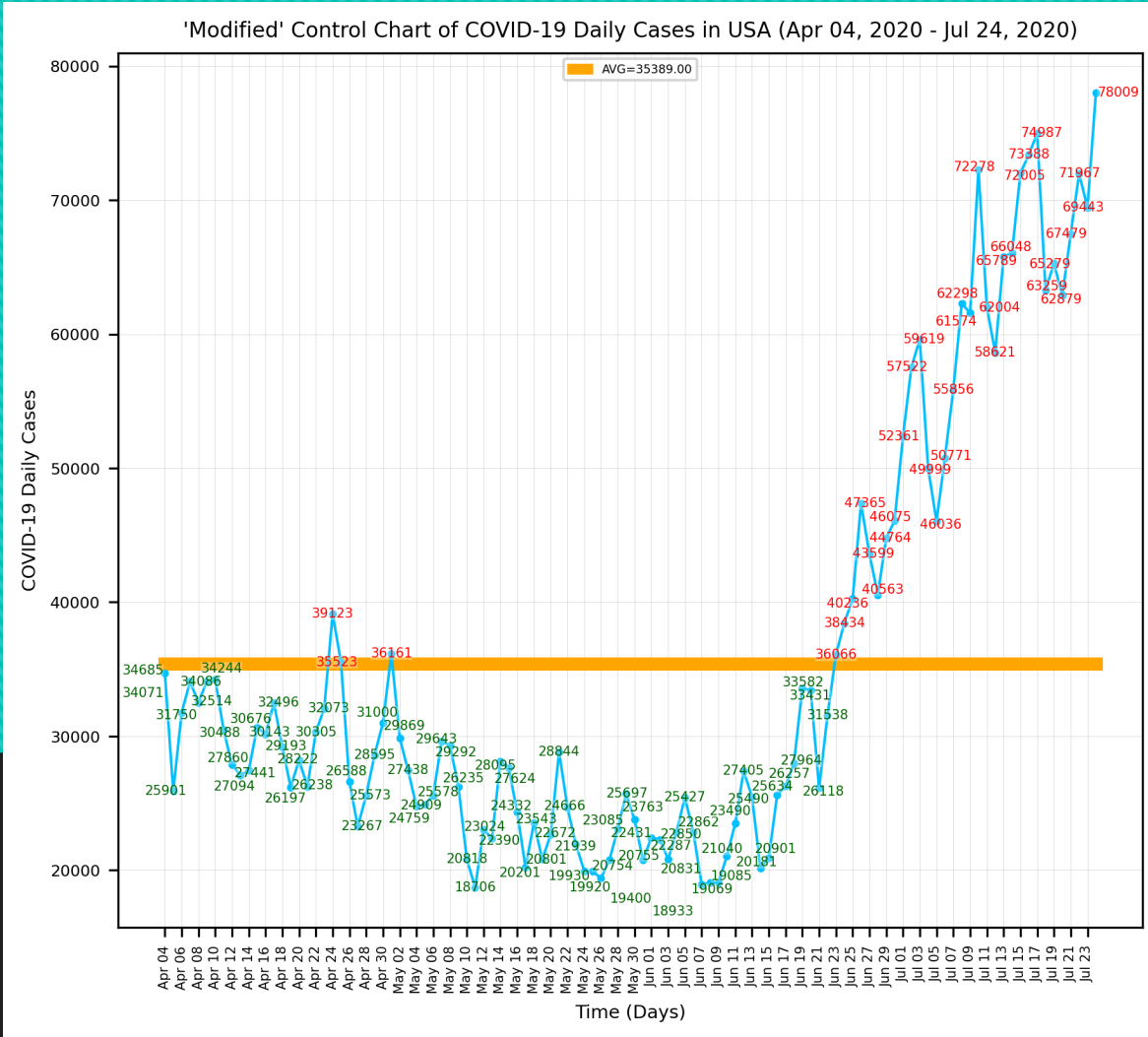


# COVID-19 'MODIFIED' Control Chart Analysis

As of Friday 7/24/2020, 3:30 PM HST

# USA

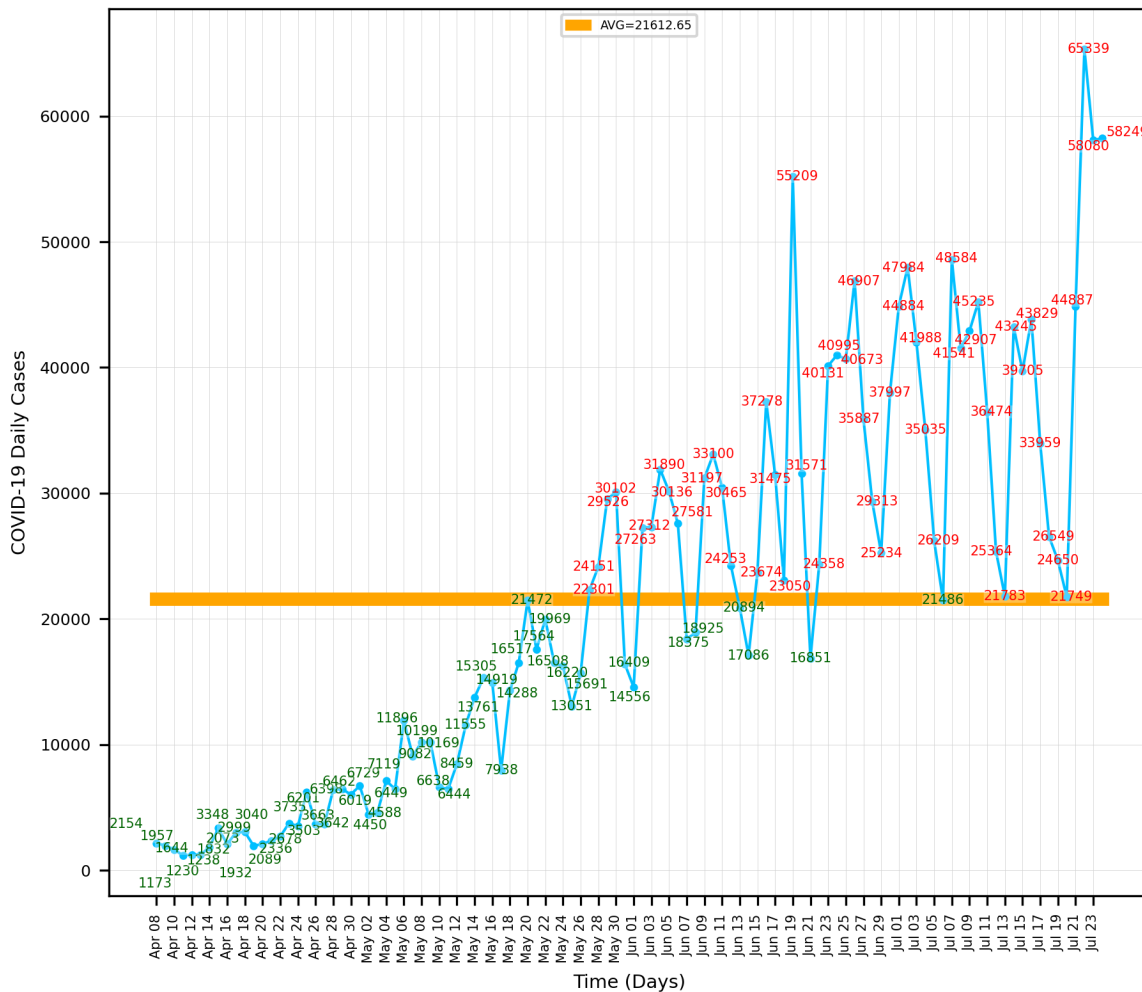


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (7/22/20 – 7/24/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in USA.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (7/20/20 – 7/24/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in USA.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (7/16/20 – 7/24/20) are all on one side (above) of the centerline. This bad 'out-of-control' pattern indicates that the daily COVID-19 cases in USA are stabilizing in a bad direction.

# Brazil

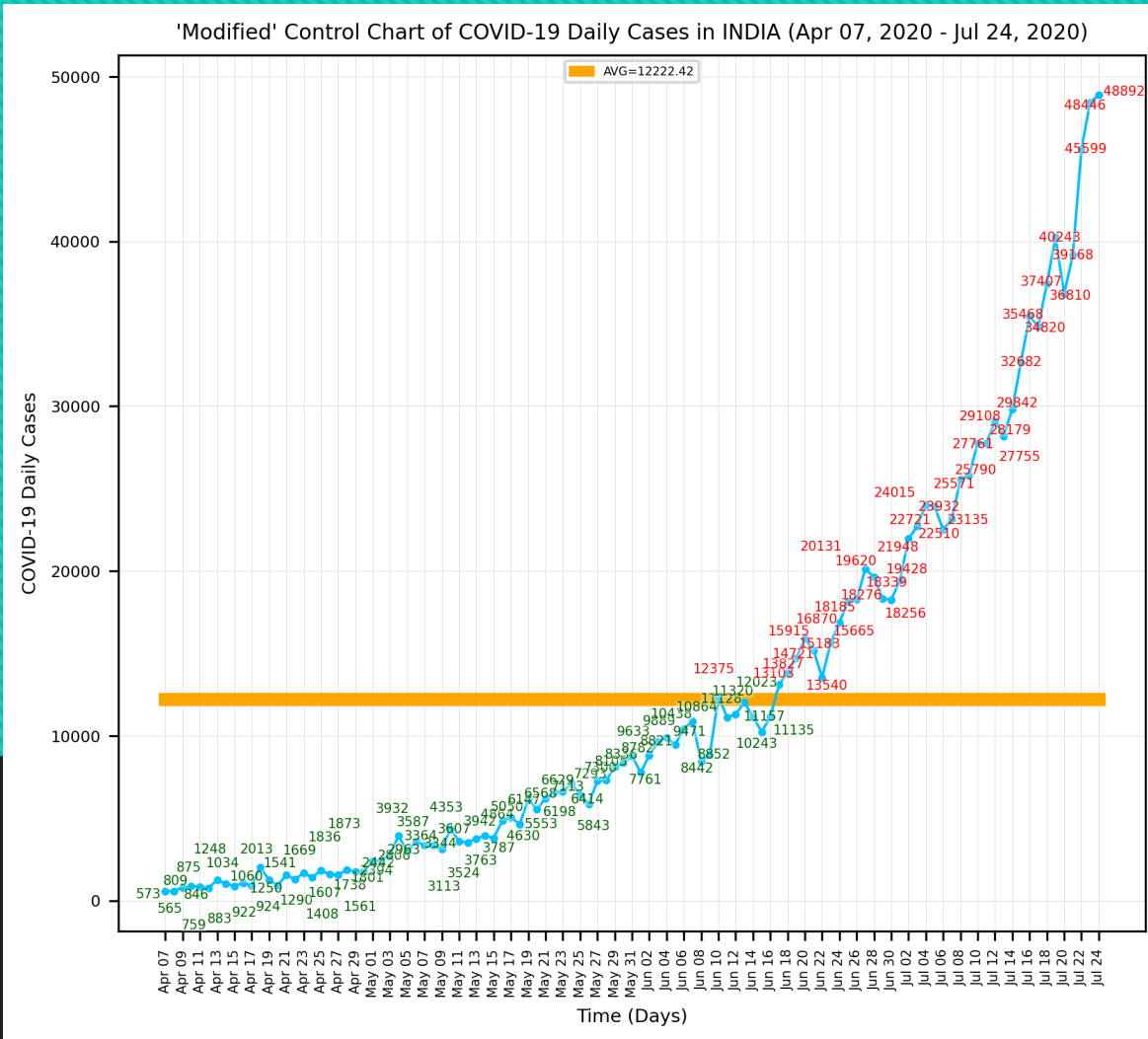
'Modified' Control Chart of COVID-19 Daily Cases in BRAZIL (Apr 08, 2020 - Jul 24, 2020)



## '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 (7/22/20 – 7/24/20) 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 (7/20/20 – 7/24/20) 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.
  - Nine consecutive points (7/16/20 – 7/24/20) 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.

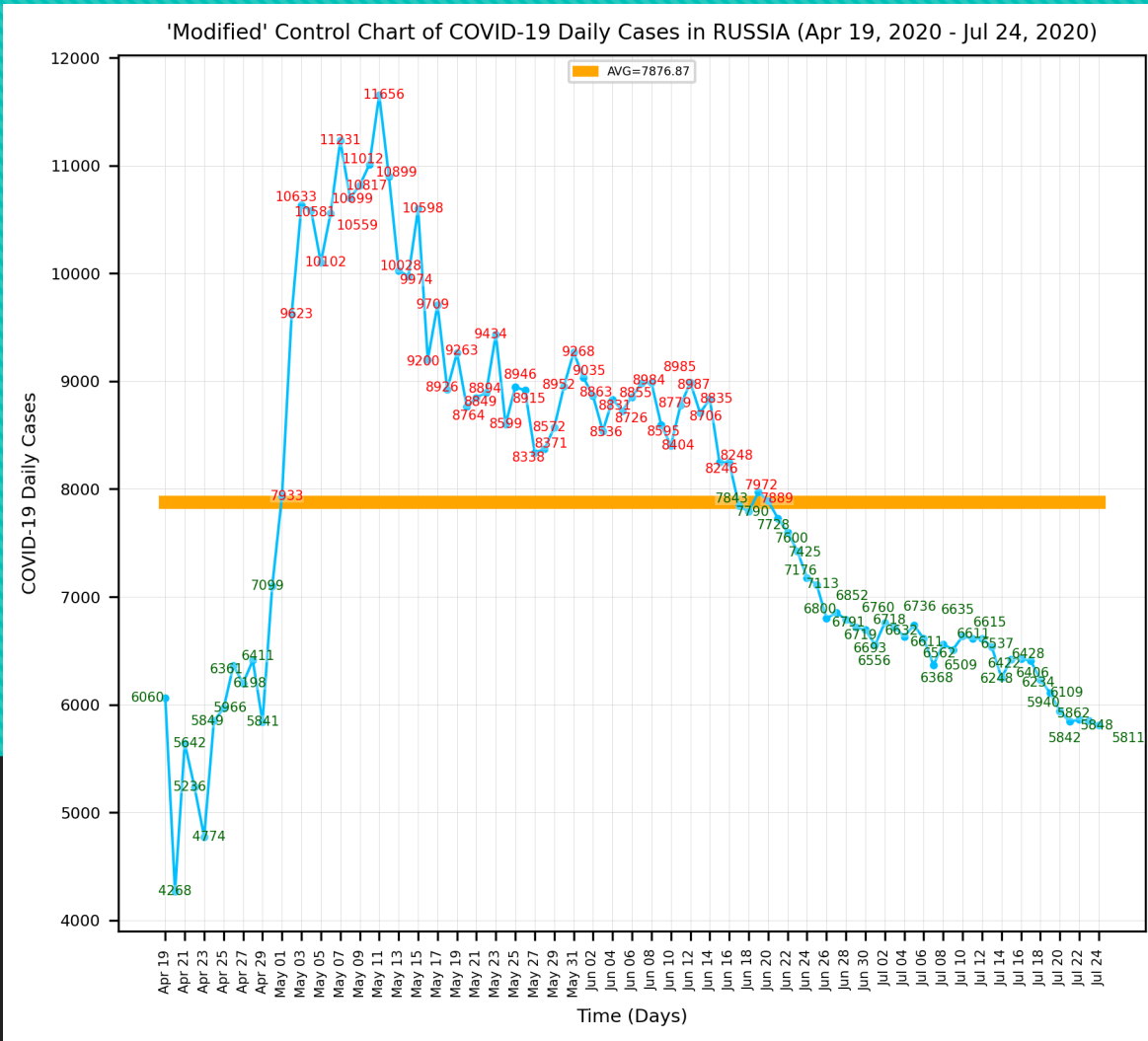
# India



## '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 (7/22/20 – 7/24/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in India.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (7/20/20 – 7/24/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in India.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (7/16/20 – 7/24/20) are all on one side (above) of the centerline. This bad 'out-of-control' pattern indicates that the daily COVID-19 cases in India are stabilizing in a bad direction.

# Russia

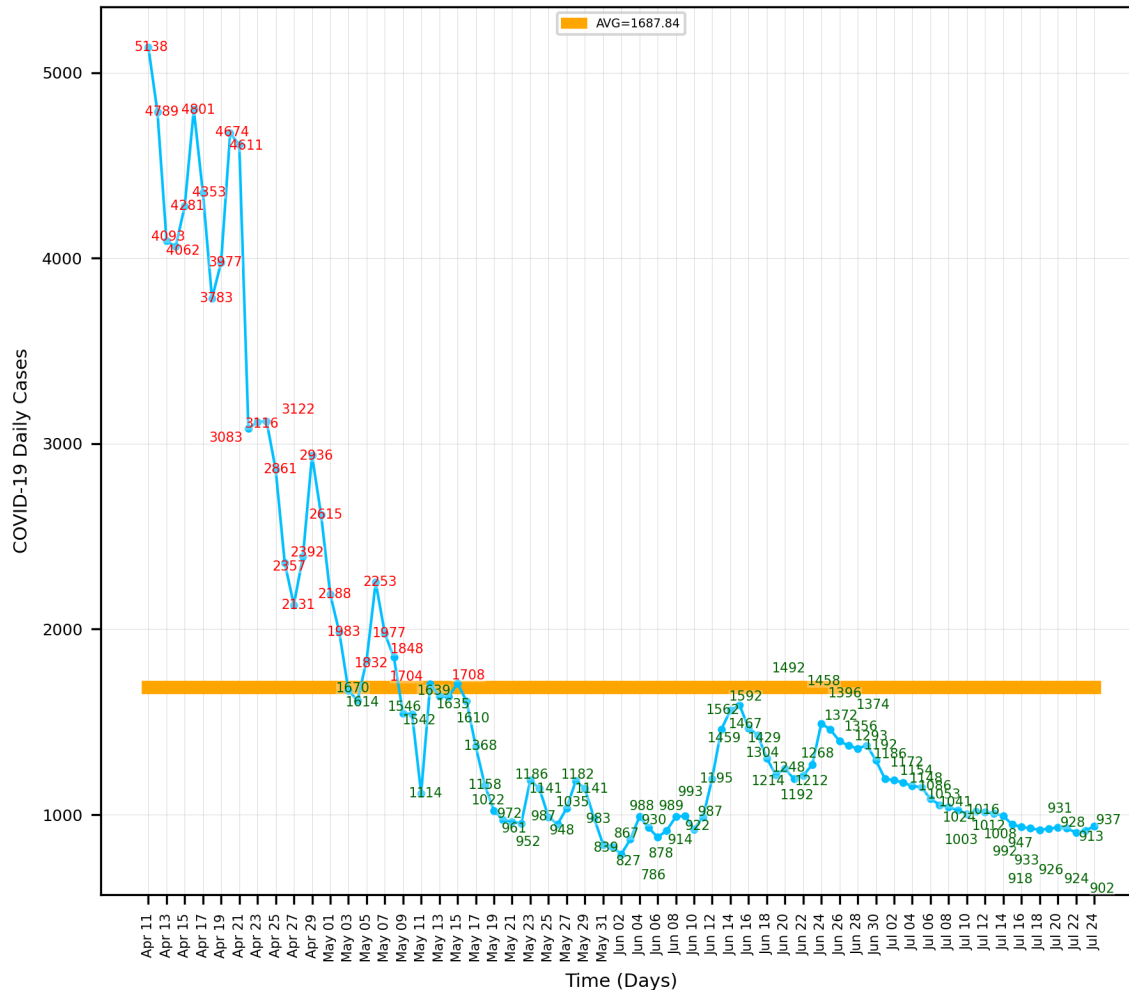


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (7/22/20 – 7/24/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Russia.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (7/20/20 – 7/24/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Russia.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (7/16/20 – 7/24/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern indicates that the daily COVID-19 cases in Russia are stabilizing in a good direction.
- There are six consecutive points, increasing or decreasing.
  - There are six consecutive points (6/20/20 – 6/26/20) decreasing which indicates a good 'out-of-control' sign. The daily cases are trending in the good direction.

# Turkey

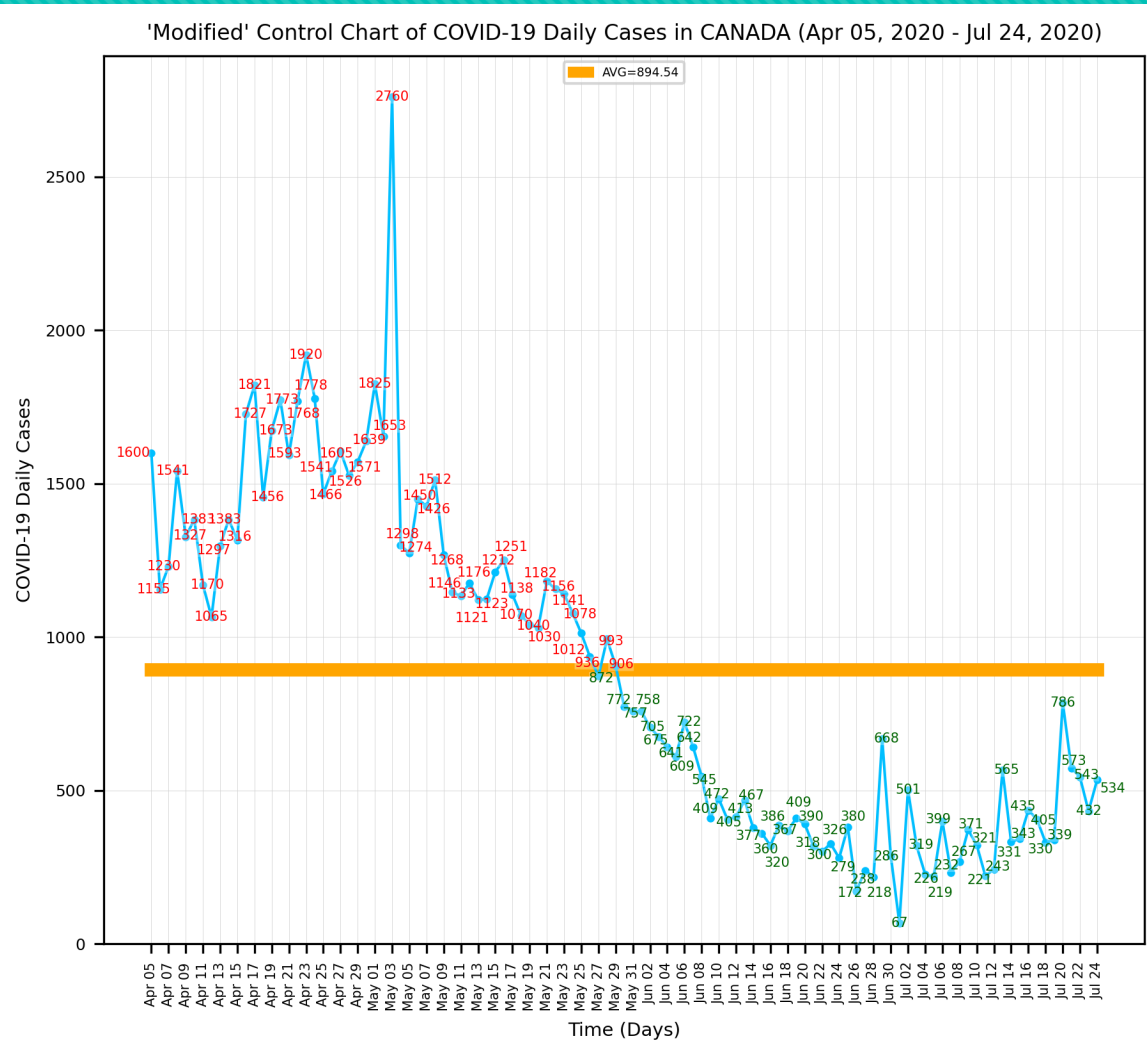
'Modified' Control Chart of COVID-19 Daily Cases in TURKEY (Apr 11, 2020 - Jul 24, 2020)



## '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 (7/22/20 – 7/24/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Turkey.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (7/20/20 – 7/24/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Turkey.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (7/16/20 – 7/24/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern indicates that the daily COVID-19 cases in Turkey are stabilizing in a positive direction.
- There are six consecutive points, increasing or decreasing.
  - There are six consecutive points (7/2/20 – 7/8/20) decreasing which indicates a good 'out-of-control' sign. The daily cases are trending in the good direction.

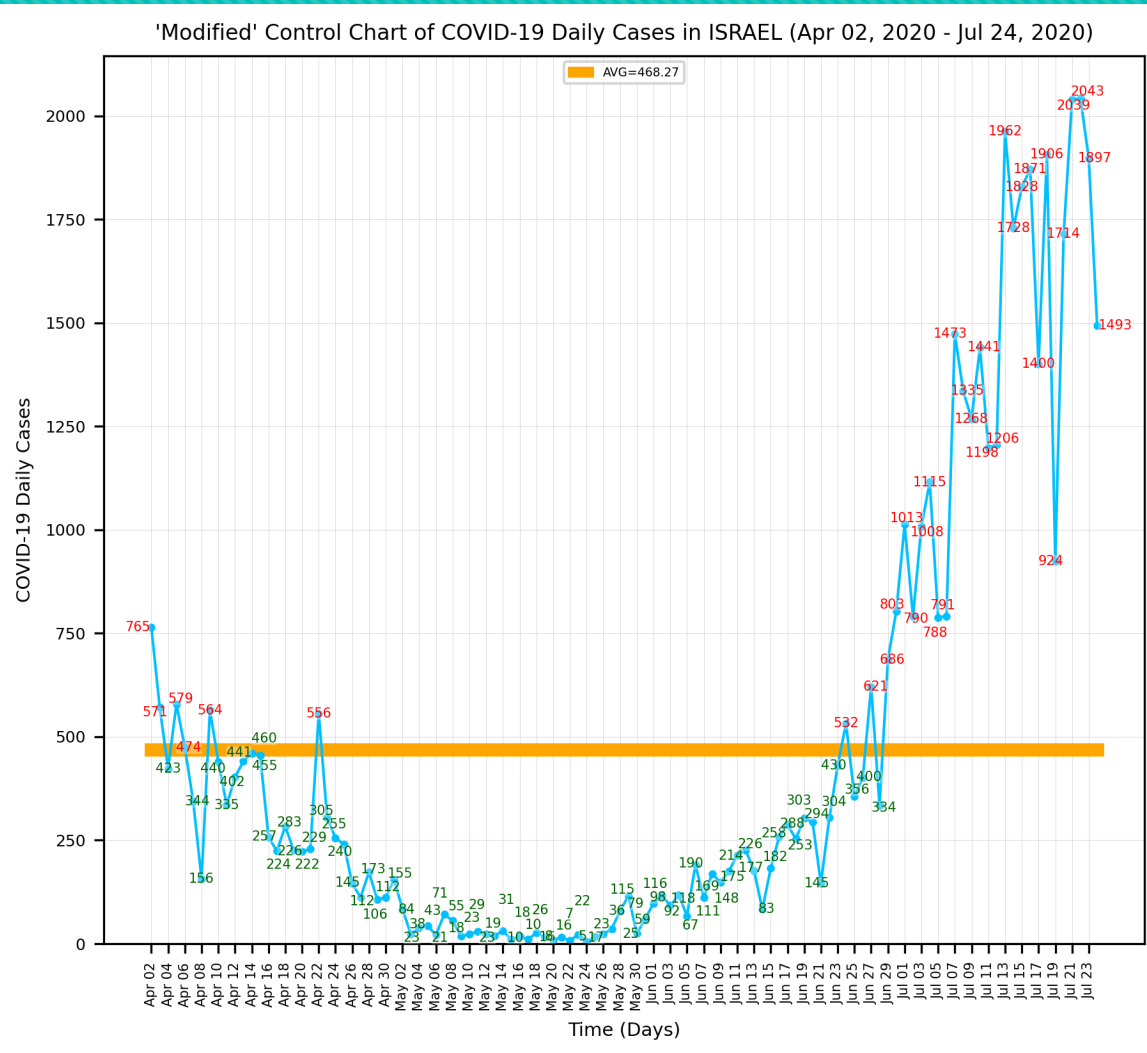
# Canada



## '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 three points (7/22/20 – 7/24/20) are all 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.
  - The last five points (7/20/20 – 7/24/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Canada.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (7/16/20 – 7/24/20) are all on one side (below) of the centerline. This good 'out-of-control' pattern indicates that the daily COVID-19 cases in Canada are stabilizing in a positive direction.
- There are six consecutive points, increasing or decreasing.
  - There are six consecutive points (5/21/20 – 5/27/20) decreasing which indicates a good 'out-of-control' sign. The daily cases are trending in the good direction during this period.

# Israel

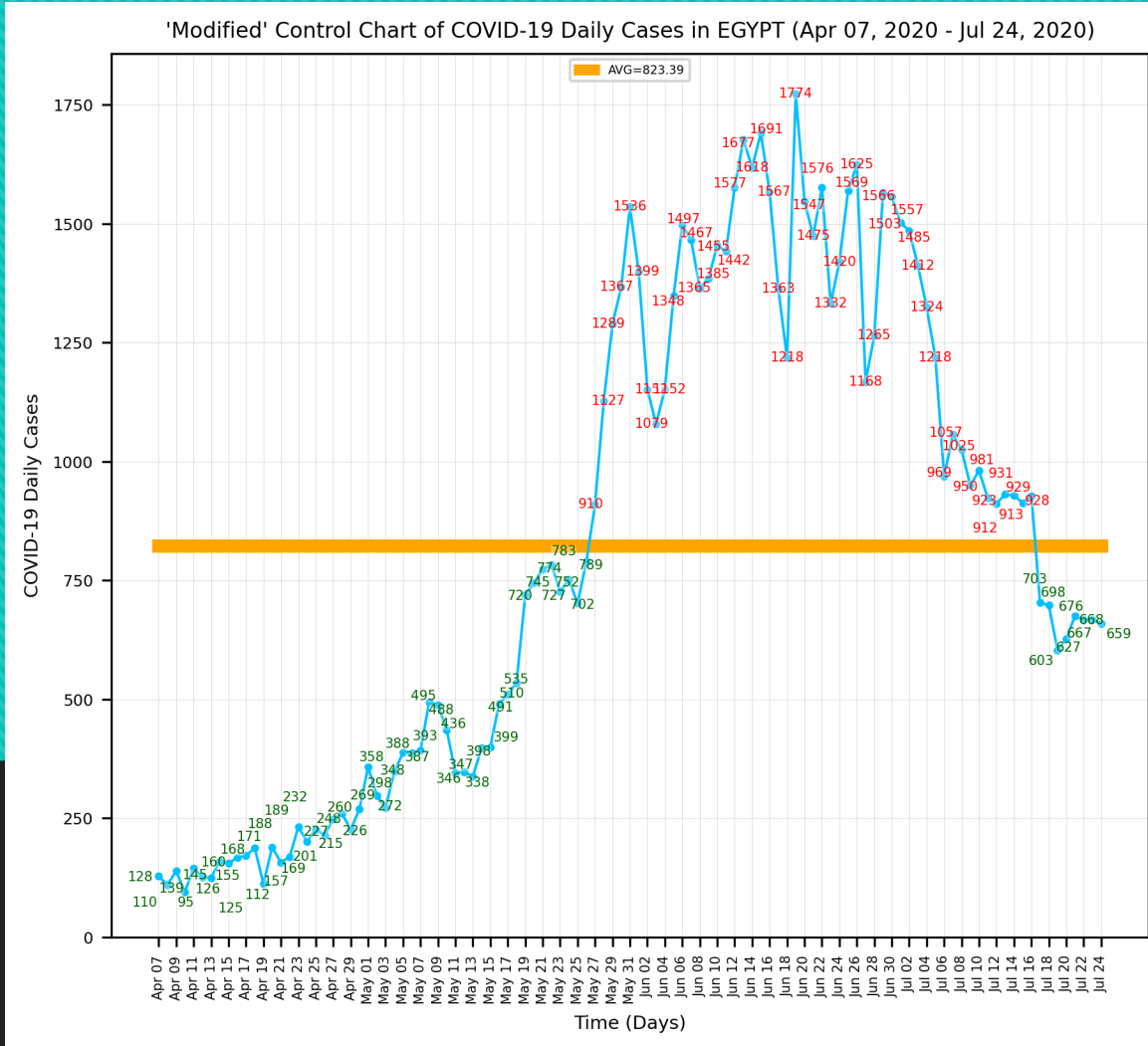


## 'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
  - The last three points (7/22/20 – 7/24/20) are all above the control line, which suggests a bad '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 (7/20/20 – 7/24/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in Israel during this period.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (7/16/20 – 7/24/20) are all on one side (above) of the centerline. This bad 'out-of-control' pattern suggests that the daily COVID-19 cases in Israel are stabilizing in a bad direction during this period.



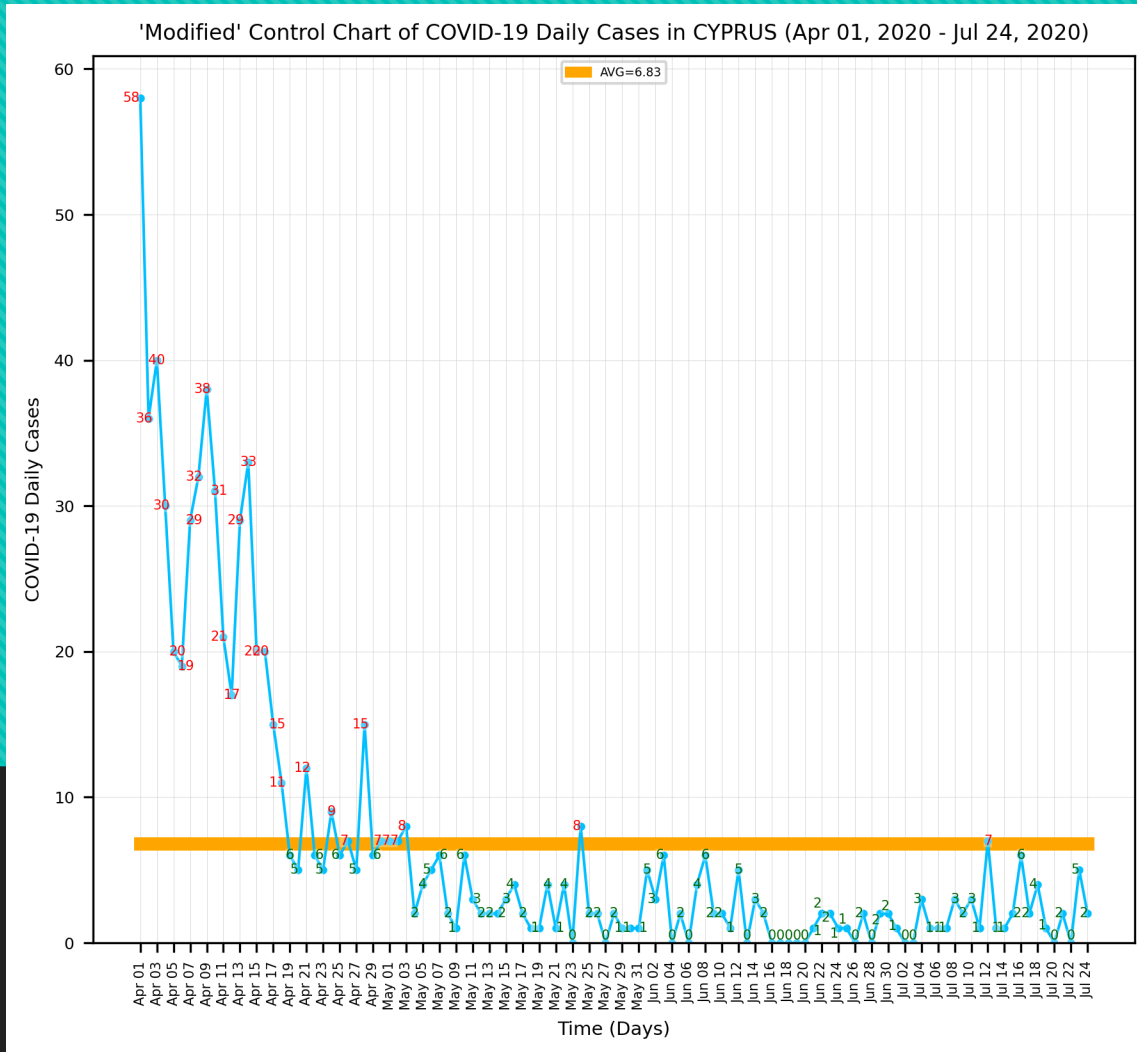
# Egypt



## '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 (7/22/20 – 7/24/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Egypt.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (7/20/20 – 7/24/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Egypt.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (7/8/20 – 7/16/20) are all on one side (above) of the centerline. This bad 'out-of-control' pattern indicates that the daily COVID-19 cases in Egypt are stabilizing in a bad direction during this period.
- There are six consecutive points, increasing or decreasing.
  - There are six consecutive points (6/30/20 – 6/6/20) decreasing which indicates a good 'out-of-control' sign. The daily cases are trending in the good direction.

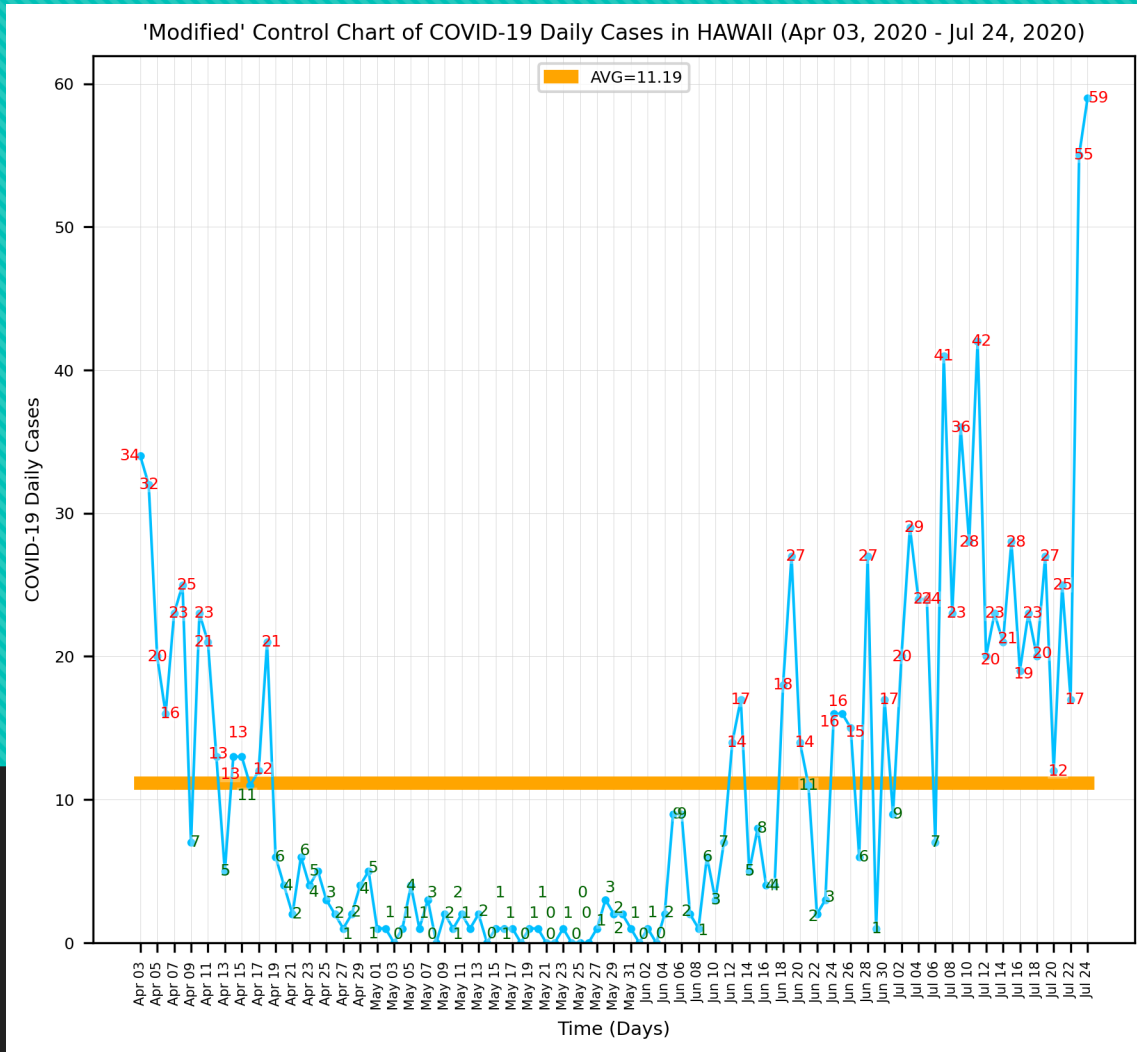
# Cyprus



## '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 (7/22/20 – 7/24/20) are all 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 (7/20/20 – 7/24/20) 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 (7/16/20 – 7/24/20) 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.

# Hawaii



## '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 (7/22/20 - 7/24/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in Hawaii.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
  - The last five points (7/20/20 - 7/24/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in Hawaii during this period.
- Nine successive points are on one side of the centerline.
  - Nine consecutive points (7/16/20 - 7/24/20) are all on one side (above) of the centerline. This bad 'out-of-control' pattern suggests that the daily COVID-19 cases in Hawaii are stabilizing in a bad direction.
- There are fourteen points, in a row alternating up and down.
  - There are fourteen consecutive points that are alternating up and down from 7/9/20 to 7/23/20.