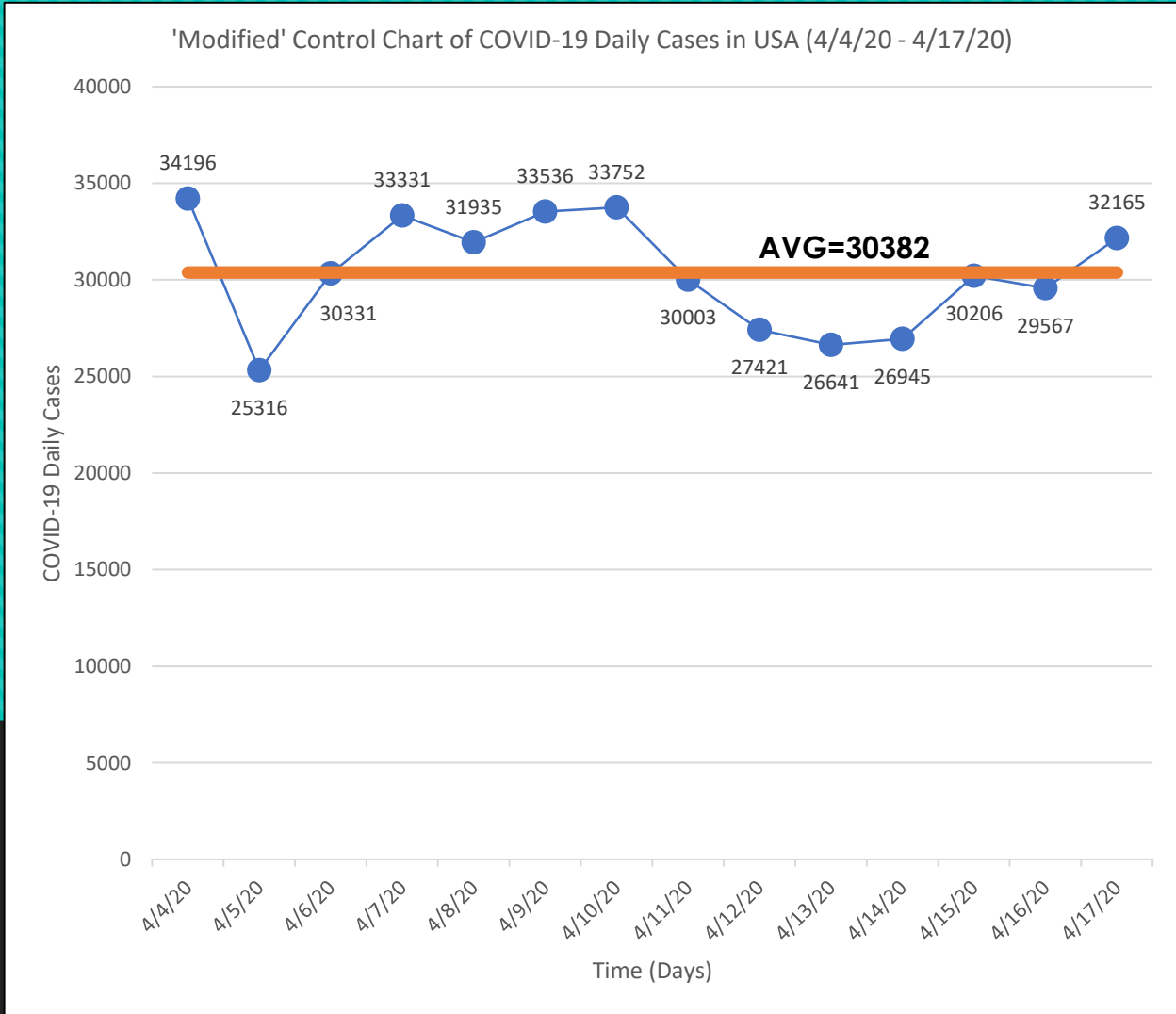


COVID-19 'MODIFIED' Control Chart Analysis

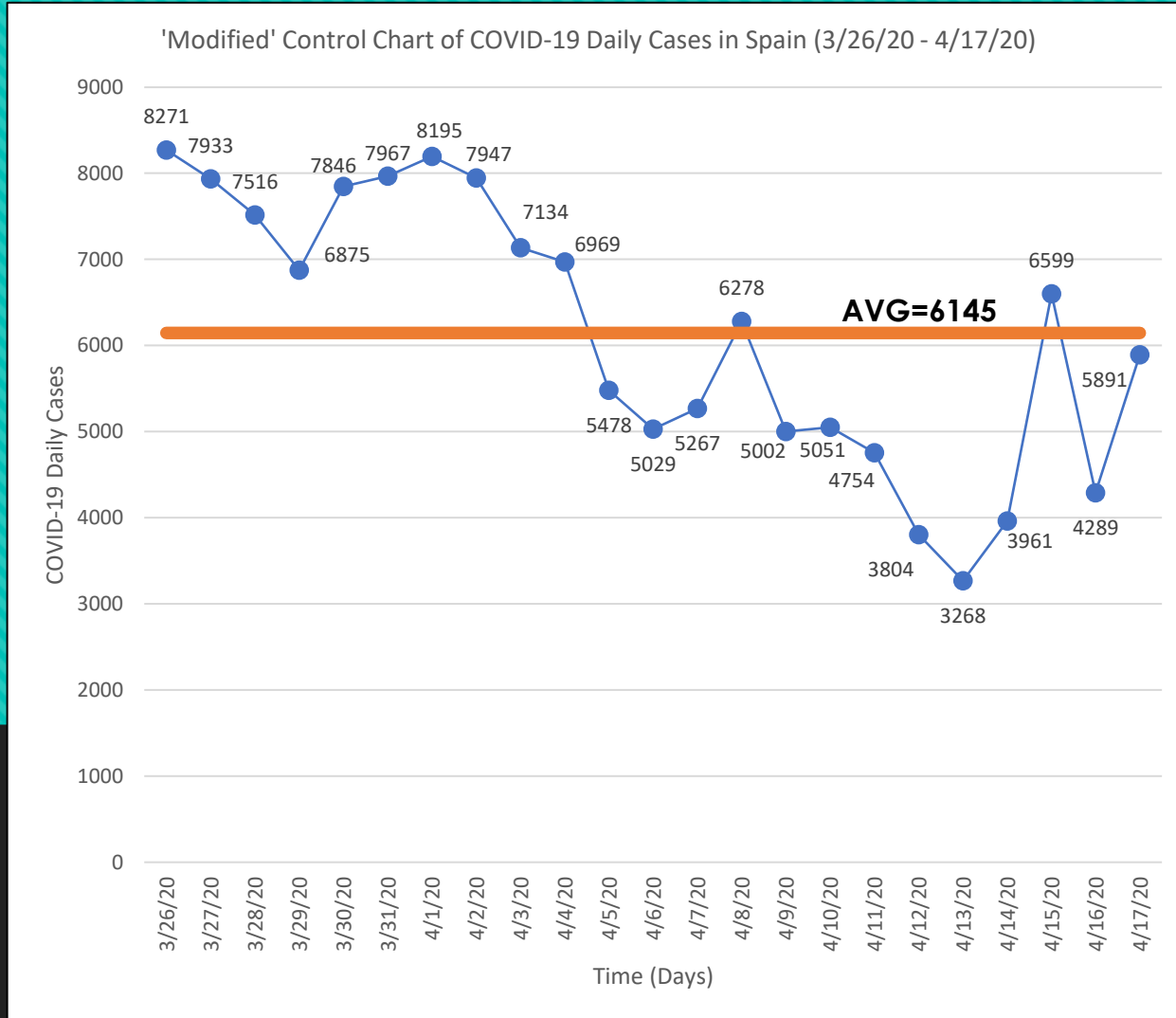
USA



'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
 - Two points (4/15/20 - 4/16/20) are below the control line, which suggests a good '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.
 - Four points (4/13/20 - 4/16/20) are below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in USA.

Spain

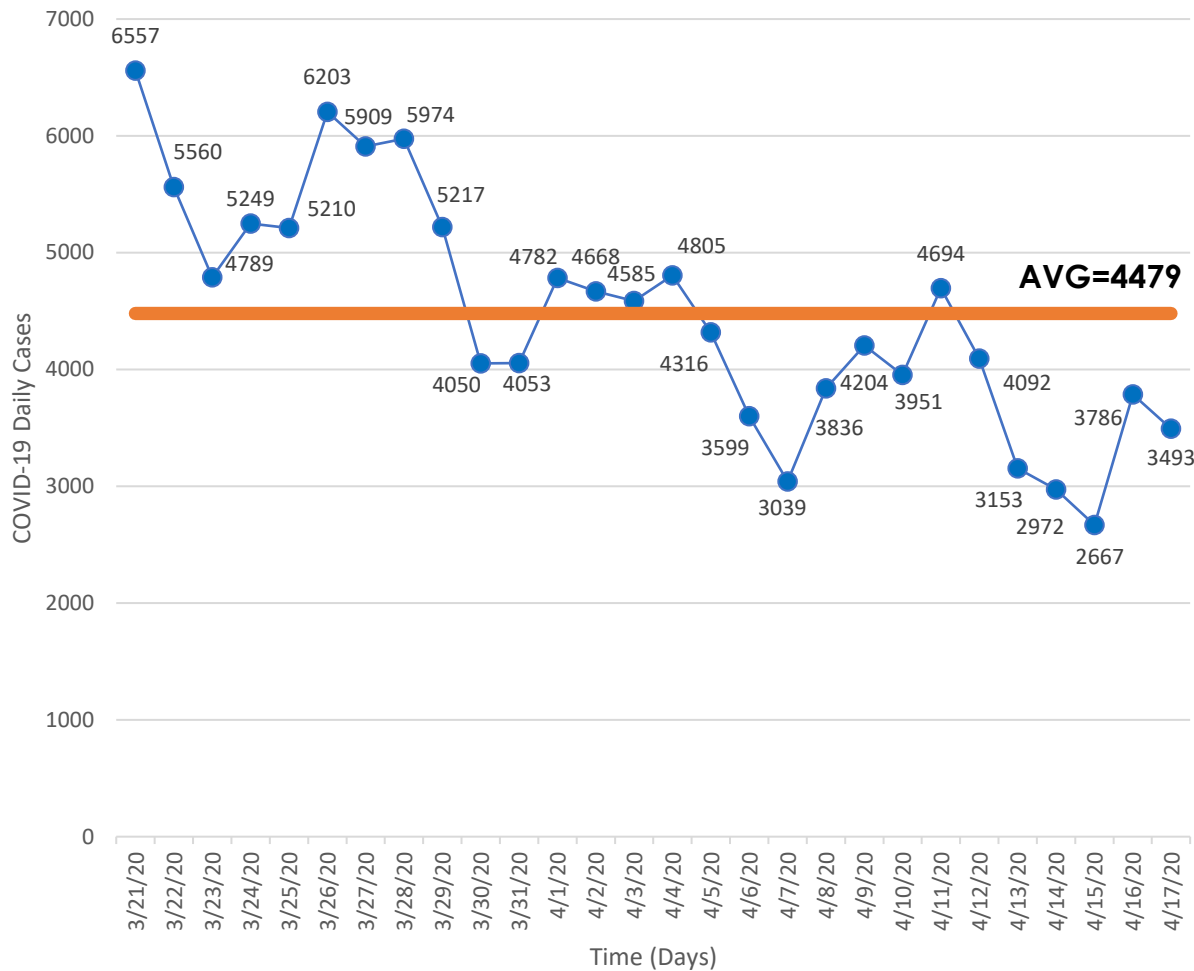


'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
 - Two points (4/16/20 - 4/17/20) are 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.
 - Four points (4/13/20 - 4/14/20 and 4/16/20 - 4/17/20) are all below the control line, which suggests an 'out-of-control' pattern for COVID-19 cases in Spain. A good 'out-of-control' sign.
- Nine successive points are on one side of the centerline.
 - Nine consecutive points (3/26/20 - 4/14/20) are all on one side (above) of the centerline. This was a bad 'out-of-control' pattern.

Italy

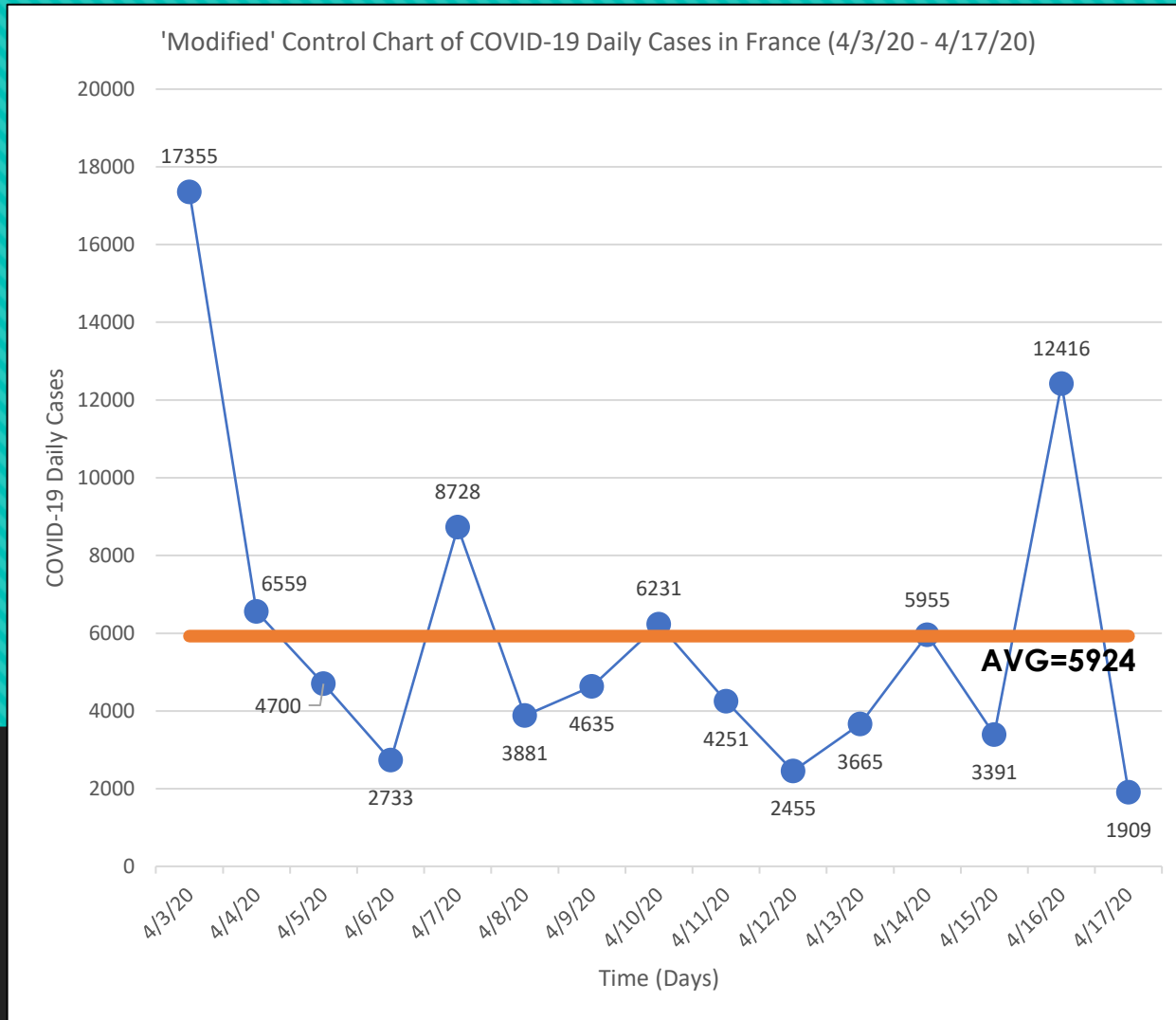
'Modified' Control Chart of COVID-19 Daily Cases in Italy (3/21/20 - 4/17/20)



'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 (4/15/20 - 4/17/20) are below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Italy.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
 - The last five points (4/13/20 - 4/17/20) are all below the control line, which suggests an 'out-of-control' pattern for COVID-19 cases in Italy. A good 'out-of-control' sign.
- Nine successive points are on one side of the centerline.
 - The nine consecutive points (3/21/20 - 3/29/20) are all on one side (above) of the centerline. This was not a good 'out-of-control' pattern.

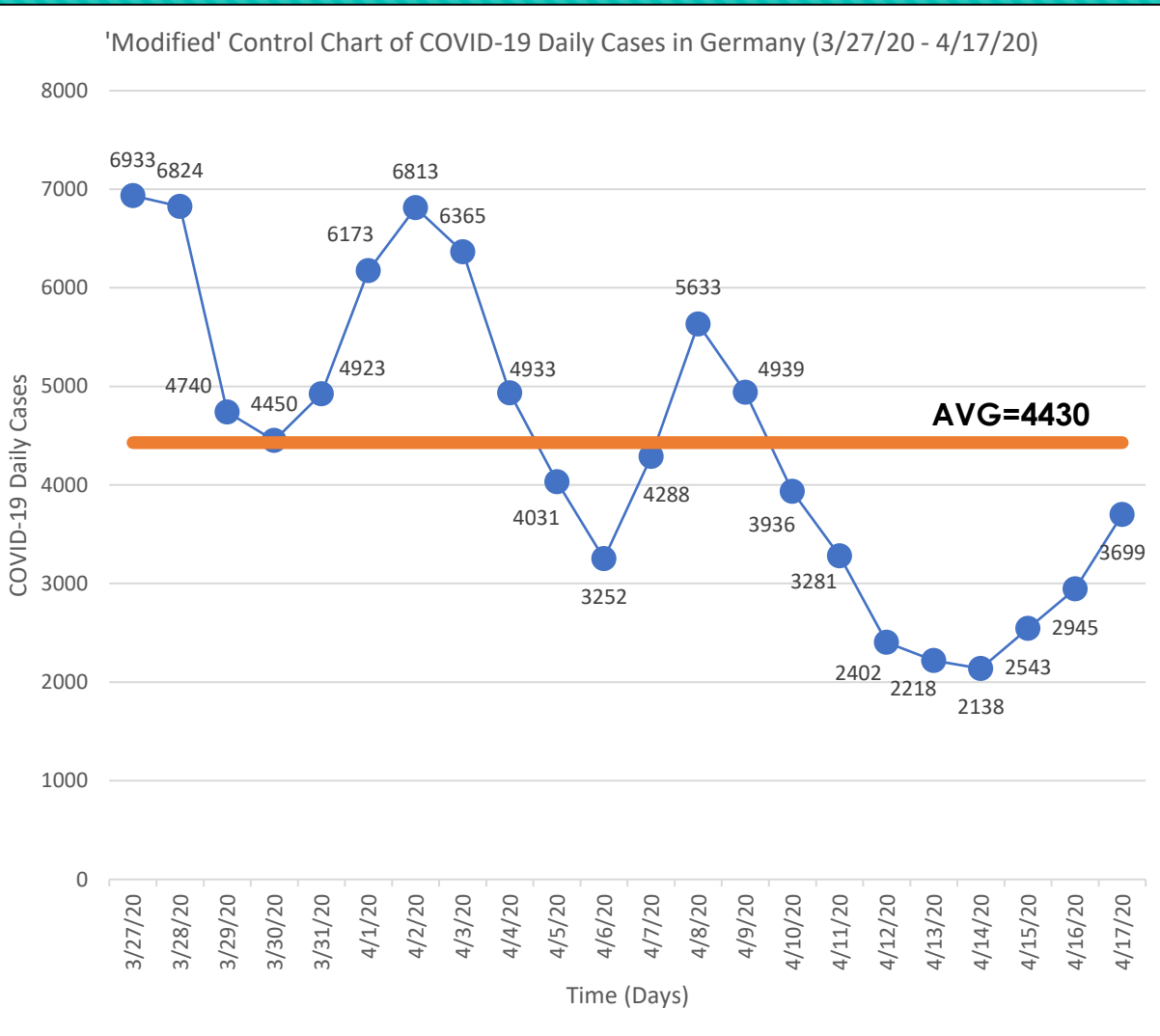
France



'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
 - Two points (4/15/20 and 4/17/20) are 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.
 - Four points (4/11/20 - 4/13/20 and 4/15/20) are all below the control line, which suggests an 'out-of-control' pattern for COVID-19 cases in France. A good 'out-of-control' sign.

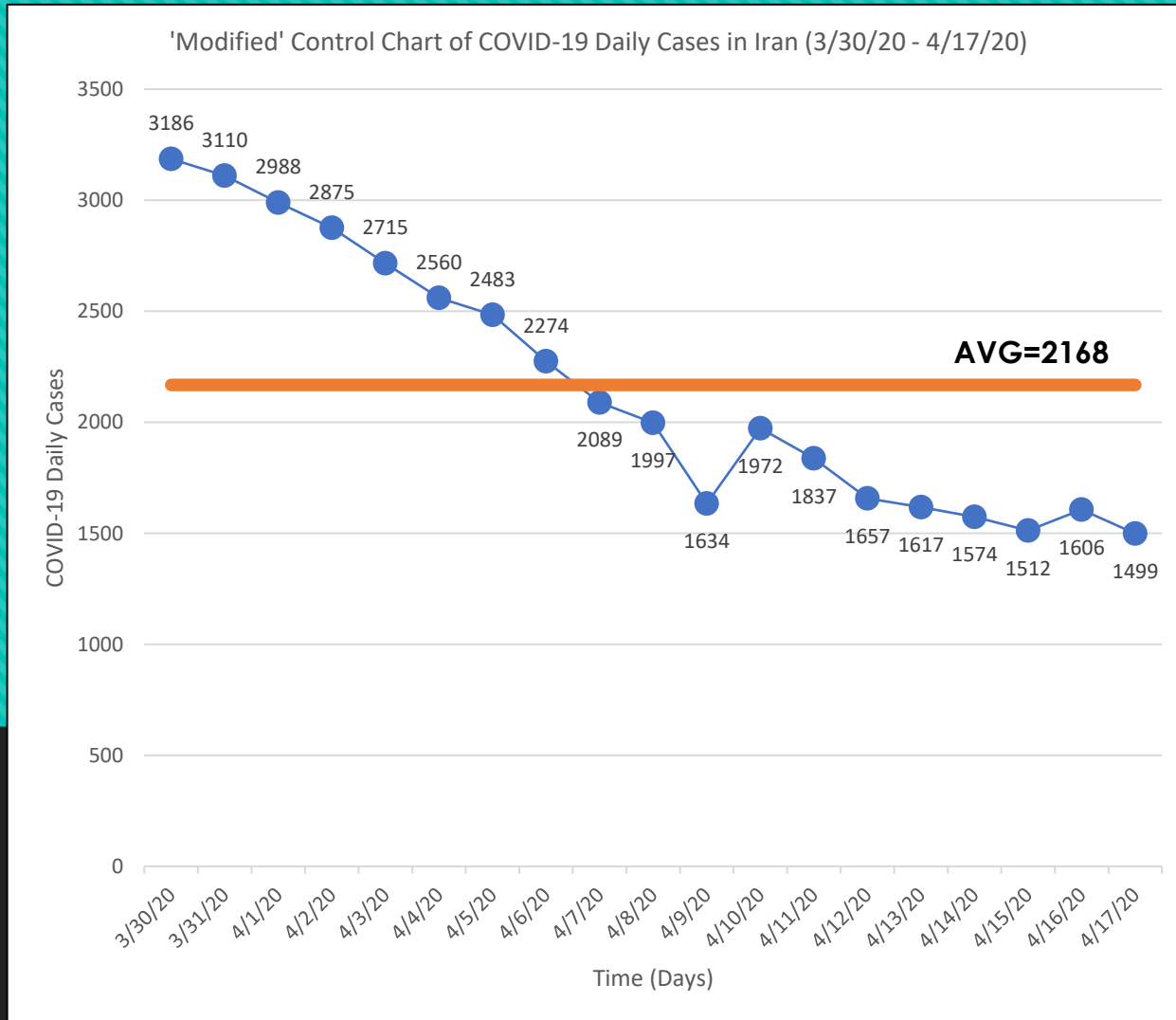
Germany



'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 (4/15/20 - 4/17/20) are 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 (4/13/20 - 4/17/20) are all below the control line, which suggests an 'out-of-control' pattern for COVID-19 cases in Germany. A good 'out-of-control' sign.
- 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.

Iran

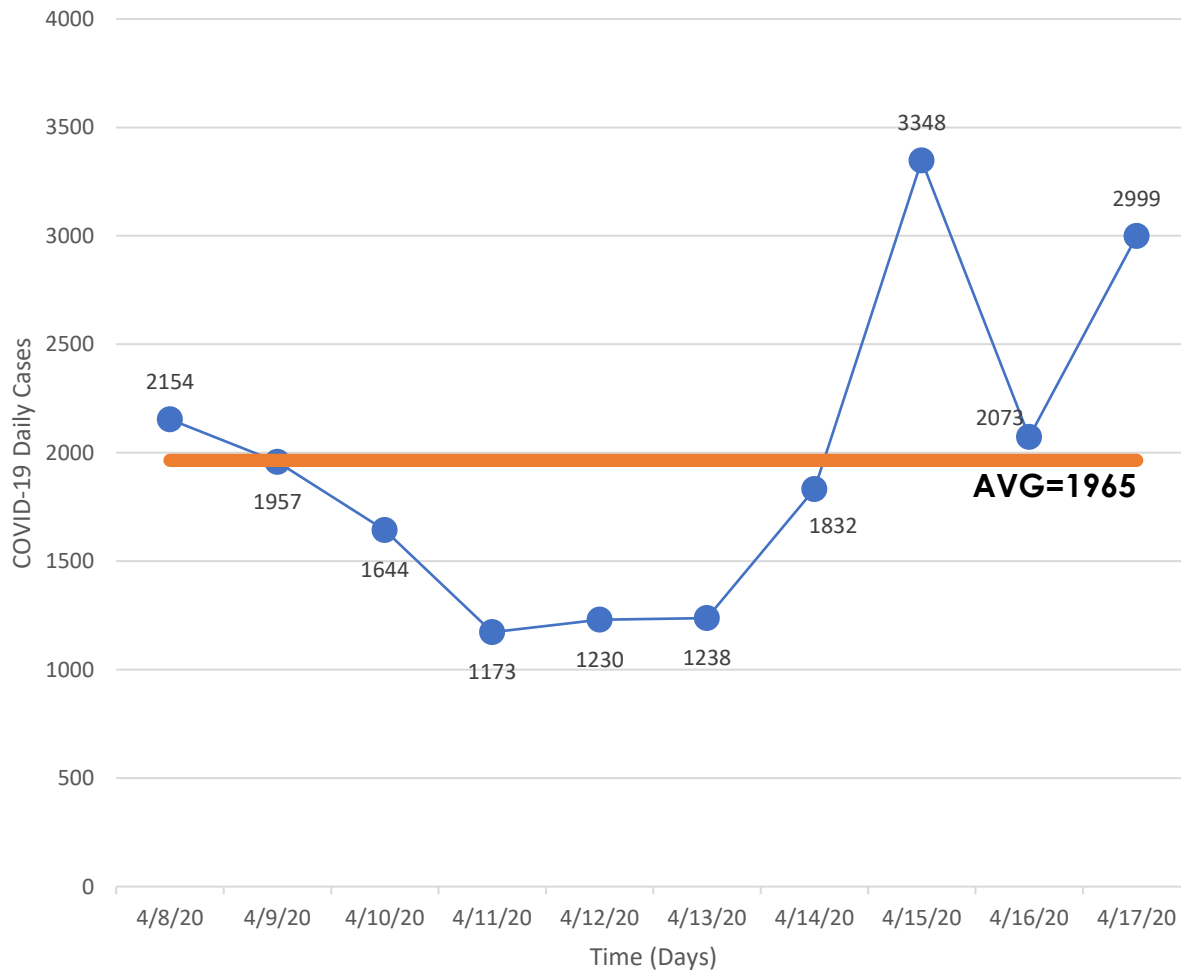


'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
 - The last three points (4/15/20 - 4/17/20) are below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Iran. The linear trend line has a remarkable downward slope since 3/30/20.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
 - The last five points (4/13/20 - 4/17/20) are all below the control line, which suggests an 'out-of-control' pattern for COVID-19 cases in Iran. A good 'out-of-control' sign. The linear trend line has a downward slope.
- There are six consecutive points, increasing or decreasing.
 - Six consecutive points (4/3/20 - 4/9/20) are decreasing, which indicates a good 'out-of-control' sign.

Brazil

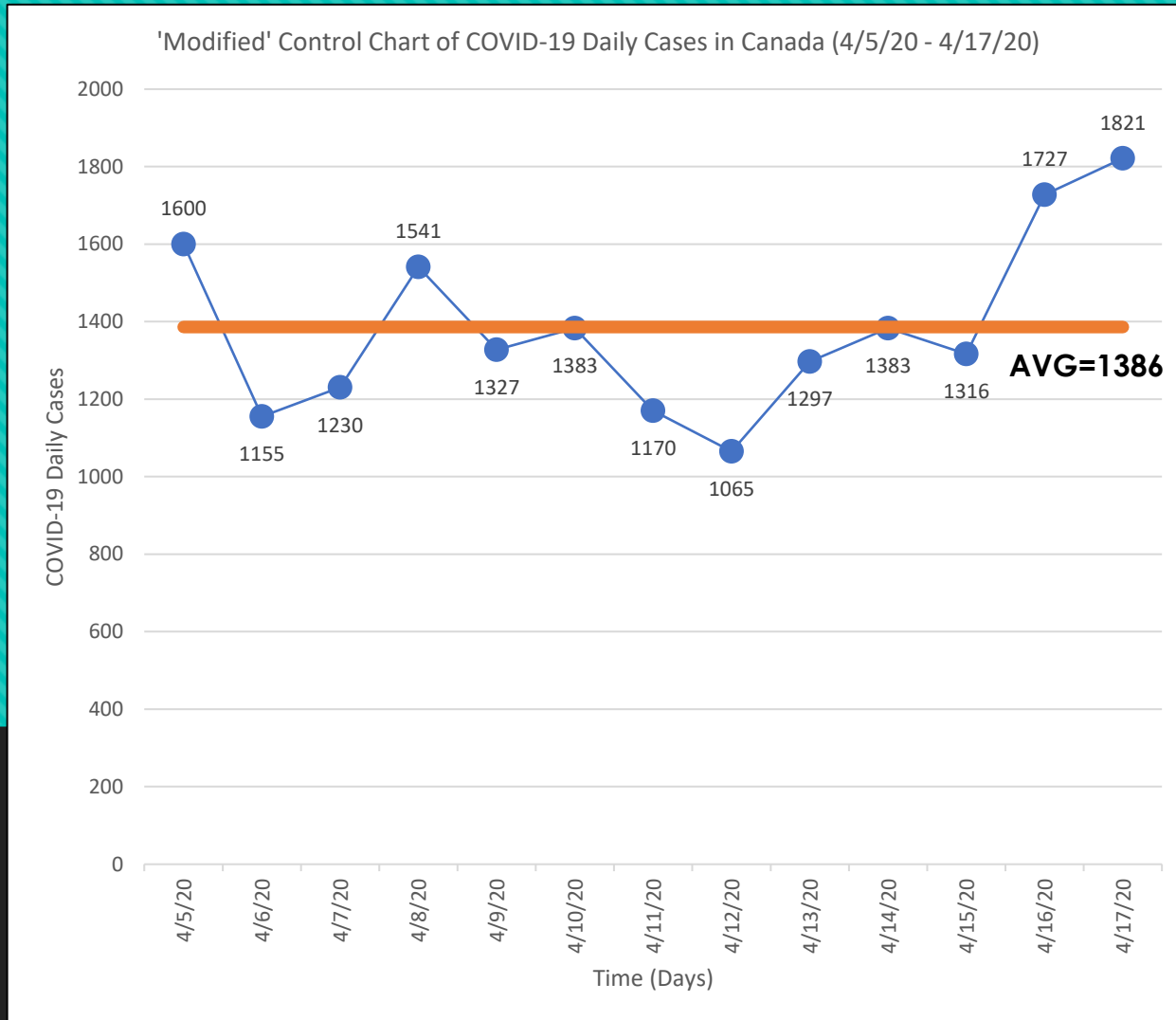
'Modified' Control Chart of COVID-19 Daily Cases in Brazil (4/8/20 - 4/17/20)



'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 (4/15/20 - 4/17/20) 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.
 - Four points (4/10/20 - 4/13/20) are all below the control line, which suggests an 'out-of-control' pattern for COVID-19 cases in Brazil. A good 'out-of-control' sign. However, a linear trend line with an upward slope can be observed from 4/14/20.

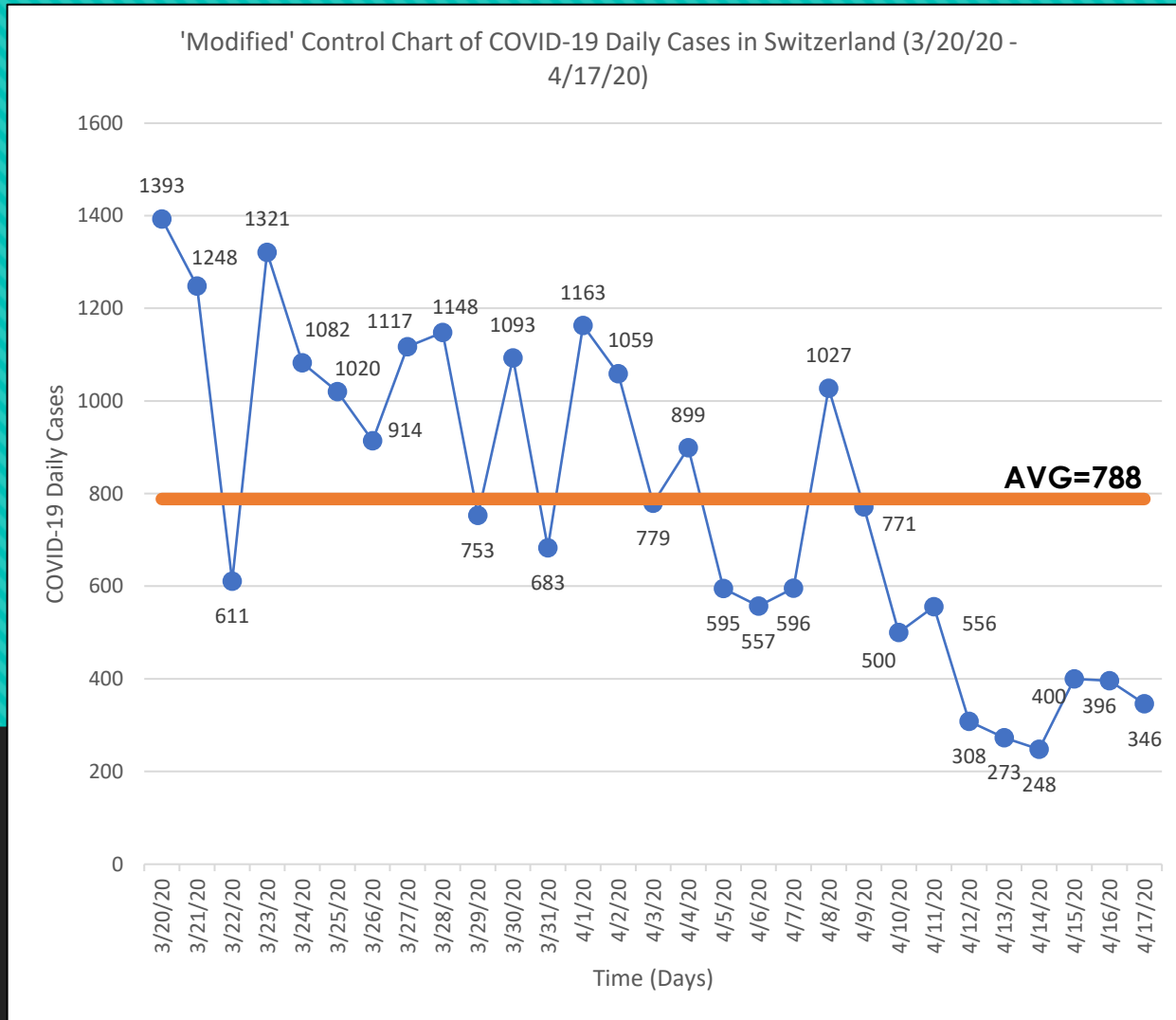
Canada



'Modified' Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
 - Two points (4/16/20 - 4/17/20) are above the control line, which suggests a bad '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.
 - Five points (4/11/20 - 4/15/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Canada. A good 'out-of-control' sign. However, a linear trend line with an upward slope can be observed from 4/15/20.

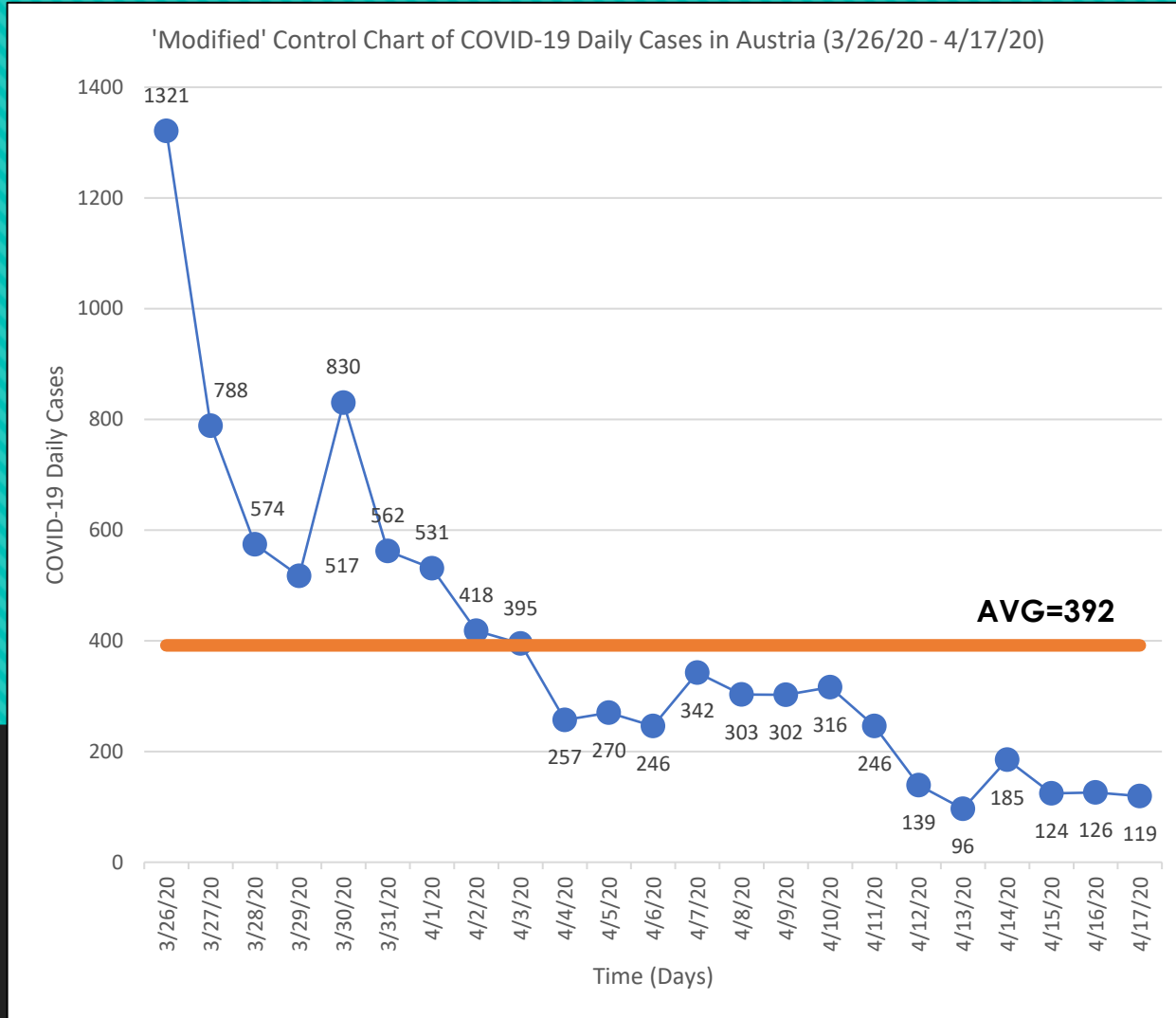
Switzerland



'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 (4/15/20 - 4/17/20) are below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Switzerland. The linear trend line 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 (4/13/20 - 4/17/20) are all below the control line, which suggests an 'out-of-control' pattern for COVID-19 cases in Switzerland. A good 'out-of-control' sign.
- Nine successive points are on one side of the centerline.
 - The nine consecutive points (4/9/20 - 4/17/20) 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.

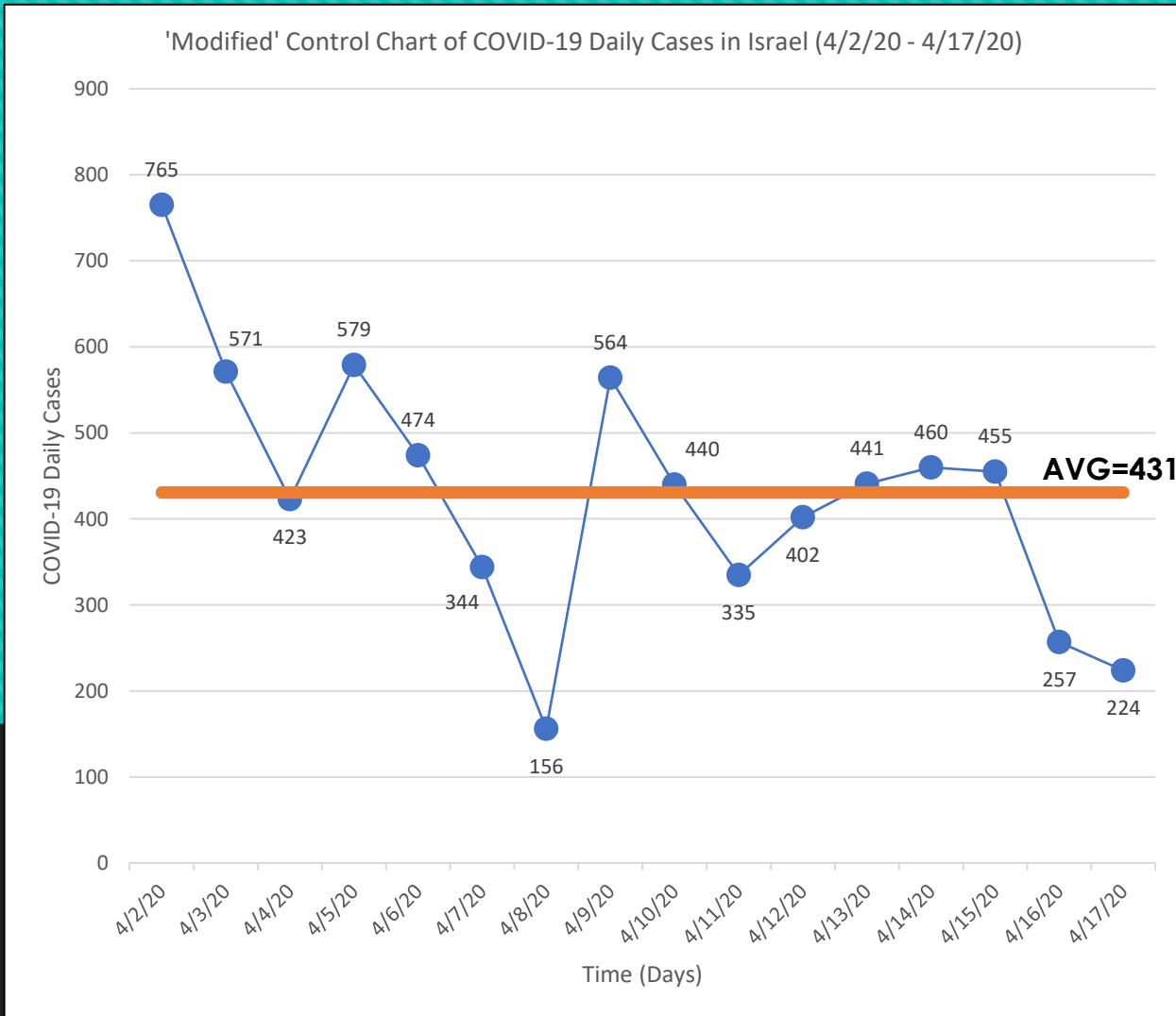
Austria



'Modified' Control Chart 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 (4/15/20 - 4/17/20) 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 (4/13/20 - 4/17/20) are all below the control line, which suggests an 'out-of-control' pattern for COVID-19 cases in Austria. A good 'out-of-control' sign.
- Nine successive points are on one side of the centerline.
 - Nine consecutive points (4/9/20 - 4/17/20) 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.

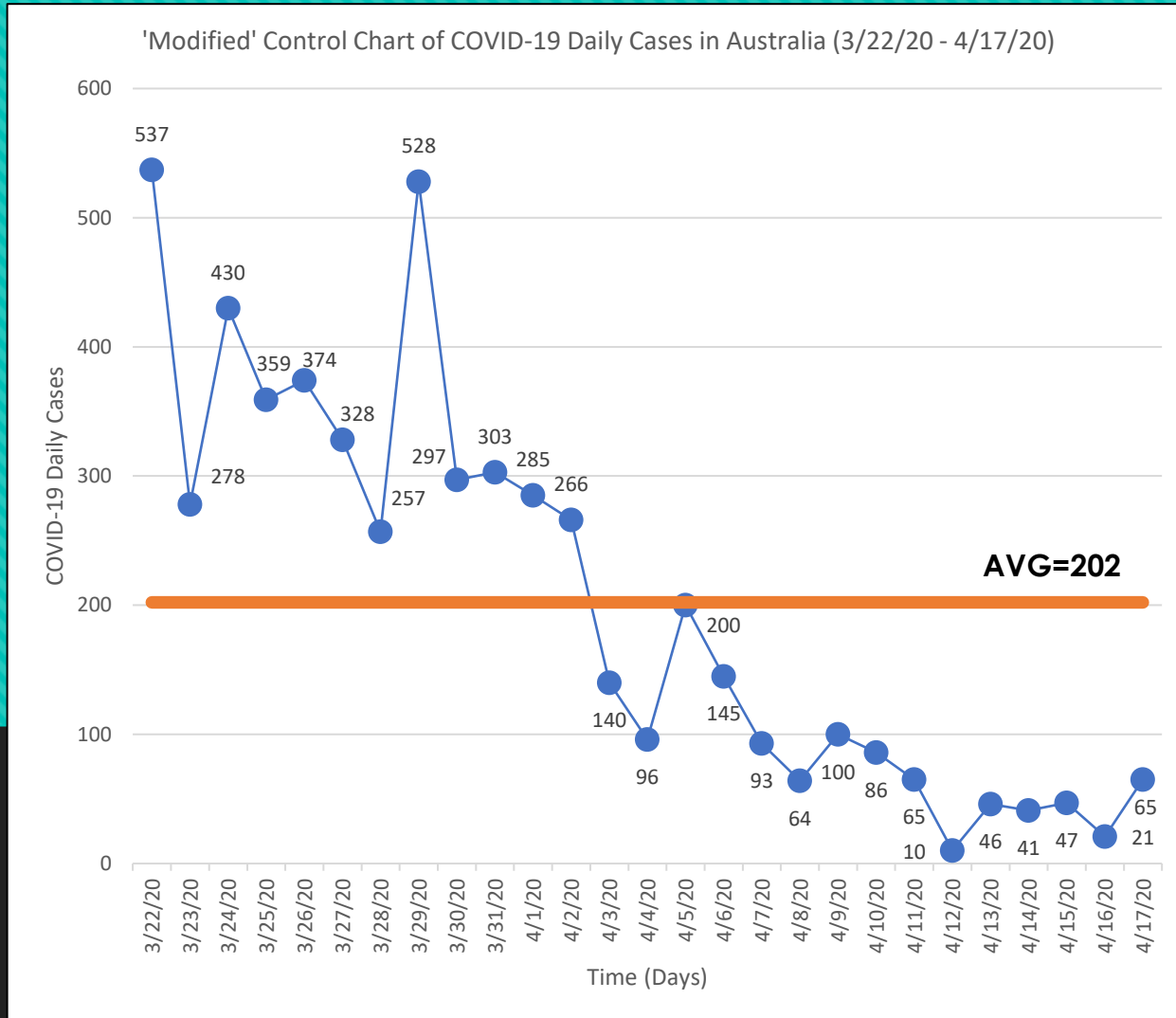
Israel



'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 two points (4/16/20 – 4/17/20) are 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.
 - Four points (4/12/20 – 4/6/20) are above the control line. This indicates that there was a bad 'out-of-control' pattern for COVID-19 cases in Israel.

Australia



'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 (4/15/20 - 4/17/20) 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 (4/13/20 - 4/17/20) 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 (4/9/20 - 4/17/20) 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.