COVID-19
‘MODIFIED’ Control Chart Analysis

As of Monday 6/08/2020, 4:00PM HST
‘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 (6/6/20 – 6/8/20) 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 five points (6/4/20 – 6/8/20) 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.

- Nine successive points are on one side of the centerline.
  - Nine consecutive points (5/31/20 – 6/8/20) are all on one side (below) of the centerline. This good ‘out-of-control’ pattern indicates that the daily COVID-19 cases in USA are stabilizing in a positive 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 (6/6/20 – 6/8/20) are all above the control line, which suggests a bad ‘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 (6/4/20 – 6/8/20) are all above the control line, which suggests a bad ‘out-of-control’ pattern for COVID-19 cases in Russia.

- Nine successive points are on one side of the centerline.
  - Nine consecutive points (5/15/20 – 5/23/20) are all on one side (above) of the centerline. This bad ‘out-of-control’ pattern indicates that the daily COVID-19 cases in Russia are stabilizing in a bad direction during this period.
Brazil

'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 (6/6/20 – 6/8/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in Brazil. However, 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 (6/4/20 – 6/8/20) are all above the control line, which indicates that there is a bad 'out-of-control' pattern for COVID-19 cases in Brazil. However, the linear trendline has a remarkable downward slope.

- Nine successive points are on one side of the centerline.
  - Nine consecutive points (5/31/20 – 6/8/20) 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.
Turkey

‘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 (6/6/20 – 6/8/20) 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 (6/4/20 – 6/8/20) 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 (5/31/20 – 6/8/20) 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 (5/16/20 – 5/22/20) decreasing which indicates a good ‘out-of-control’ sign. The daily cases are trending in the good 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 (6/6/20 – 6/8/20) are all above the control line, which suggests a bad ‘out-of-control’ pattern for COVID-19 cases in India. However, 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 (6/4/20 – 6/8/20) 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 (5/31/20 – 6/8/20) 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.
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.
  o The last three points (6/6/20 – 6/8/20) are all below the control line, which suggests a good ‘out-of-control’ pattern for COVID-19 cases in Canada. 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.
  o The last five points (6/4/20 – 6/8/20) 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.
  o Nine consecutive points (5/31/20 – 6/8/20) 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.
  o 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.'
**‘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 (6/7/20 and 6/8/20) are both 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 (6/4/20 – 6/5/20 and 6/7/20 – 6/8/20) are all below the control line, which suggests a good ‘out-of-control’ pattern for COVID-19 cases in Israel.

- Nine successive points are on one side of the centerline.
  - Nine consecutive points (5/28/20 – 6/5/20) 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.
'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 (6/6/20 – 6/8/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in Egypt. However, 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 (6/4/20 – 6/8/20) are all above the control line, which suggests a bad 'out-of-control' pattern for COVID-19 cases in Egypt.

- Nine successive points are on one side of the centerline.
  - Nine consecutive points (5/31/20 – 6/8/20) 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.

- There are six consecutive points, increasing or decreasing.
  - There are six consecutive points (5/25/20 – 5/31/20) increasing which indicates a bad ‘out-of-control’ sign. The daily cases are trending in the bad direction during this period.
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 (6/6/20 – 6/8/20) 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 (6/4/20 – 6/8/20) 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 (5/31/20 – 6/8/20) 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.
‘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 (6/7/20 and 6/8/20) are both below the control line, which suggests a good ‘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.
  - Four points (6/1/20 – 6/4/20) are all below the control line, which suggests a good ‘out-of-control’ pattern for COVID-19 cases in Hawaii. Also, a linear trend line with a downward slope can be observed from 4/3/20.

- Nine successive points are on one side of the centerline.
  - Nine consecutive points (5/27/20 – 6/4/20) are all on one side (below) of the centerline. This good ‘out-of-control’ pattern suggests that the daily COVID-19 cases in Hawaii are stabilizing in a positive direction.