Pearson's R vs. time lag (in days) by country, for the whole study period
United Arab Emirates 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
Austria 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail

grocery

transit

residential

work

parks
Barbados 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)
Bangladesh 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

-1.0
-0.6
-0.2
0.2
0.6
1.0

retail
grocery
transit
residential
work
parks
Belgium 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
<table>
<thead>
<tr>
<th>Lag (days)</th>
<th>Pearson r (Rt ~ mobility)</th>
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**Benin 20.02.20 to 31.12.20**

The graph shows the correlation (Pearson r) between Rt and mobility for different types of activities in Benin from 20.02.20 to 31.12.20. The x-axis represents the lag (days), and the y-axis represents the Pearson r correlation coefficient. Different colored lines indicate the correlation for various activities, including retail, grocery, transit, residential, work, and parks.

The data suggests a pattern where mobility patterns correlate with Rt changes, with some activities showing stronger correlations than others. The specific correlation values are not detailed in the graph, but they indicate a variable relationship over the observed period.
Bolivia 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
Canada 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

-1.0 -0.6 -0.2 0.2 0.6 1.0

retail
grocery
transit
residential
work
parks

Lag (days)
Switzerland 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)
Costa Rica 20.02.20 to 31.12.20

Lag (days)

Pearson r (R_t ~ mobility)

-1.0
-0.6
-0.2
0.2
0.6
1.0

retail
grocery
transit
residential
work
parks

Lag (days)
Czechia 20.02.20 to 31.12.20

Lag (days)

Pearson r (Rt ~ mobility)

retail
grocery
transit
residential
work
parks
Germany 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks

Lag (days)
Dominican Republic 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

-1.0  -0.6  -0.2  0.2  0.6  1.0

Lag (days)

1  3  5  7  9  11  13  15  17  19  21  23  25  27  29

retail
grocery
transit
residential
work
parks
Ecuador 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks

Lag (days)
Egypt 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
Spain 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
Ghana 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

retail
grocery
transit
residential
work
parks

Lag (days)
India 20.02.20 to 31.12.20

Lag (days)

Pearson r (Rt ~ mobility)

retail
grocery
transit
residential
work
parks
Italy 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

-1.0 -0.6 -0.2 0.2 0.6 1.0

retail
grocery
transit
residential
work
parks
Cambodia 20.02.20 to 31.12.20

Lag (days)

-1.0  -0.6  -0.2  0.2  0.6  1.0

Pearson r (Rt ~ mobility):
- retail
- grocery
- transit
- residential
- work
- parks

Lag (days)
Kuwait 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
Kazakhstan 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

-1.0
-0.6
-0.2
0.2
0.6
1.0

retail
grocery
transit
residential
work
parks
Lithuania 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)
Namibia 20.02.20 to 31.12.20

Lag (days)

Pearson r (Rt ~ mobility)

retail
grocery
transit
residential
work
parks
Norway 20.02.20 to 31.12.20

Lag (days)

Pearson r (Rt ~ mobility)

-1.0
-0.6
-0.2
0.2
0.6
1.0

retail
grocery
transit
residential
work
parks
Poland 20.02.20 to 31.12.20

Lag (days)

Pearson r ($R_t \sim$ mobility)

-1.0  -0.6  -0.2  0.2  0.6  1.0

retail
grocery
transit
residential
work
parks

Lag (days)
Serbia 20.02.20 to 31.12.20

Lag (days)

Pearson r (Rt ~ mobility)

retail

grocery

transit

residential

work

parks
Russia 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
Saudi Arabia 20.02.20 to 31.12.20

Lag (days)

Pearson r (Rt ~ mobility)

-1.0
-0.6
-0.2
0.2
0.6
1.0

retail
grocery
transit
residential
work
parks
Senegal 20.02.20 to 31.12.20

Pearson r ($R_t \sim$ mobility)

Lag (days)

-1.0
-0.6
-0.2
0.2
0.6
1.0

retail
grocery
transit
residential
work
parks

Lag (days)
Turkey 20.02.20 to 31.12.20

Lag (days)

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29

Pearson r (Rt ~ mobility)

retail
grocery
transit
residential
work
parks
Trinidad and Tobago 20.02.20 to 31.12.20

Lag (days)

-1.0  -0.6  -0.2  0.2  0.6  1.0

Pearson r (Rt ~ mobility)

-1.0  -0.6  -0.2  0.2  0.6  1.0

Lag (days)
Uruguay 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail

grocery

transit

residential

work

parks
US. Alaska 20.02.20 to 31.12.20

Lag (days)

Pearson r (Rt ~ mobility)

1.0
-1.0
-0.6
0.6
0.2
-0.2
0.0

retail
grocery
transit
residential
work
parks

Lag (days)
US. California 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
US.Hawaii 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
US.Idaho 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

Graph showing the correlation between Pearson r and mobility for different categories over a period from 20.02.20 to 31.12.20.
US.Illinois 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

retail
grocery
transit
residential
work
parks

Lag (days)
US. Iowa 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

-1.0
-0.6
-0.2
0.2
0.6
1.0

retail
grocery
transit
residential
work
parks
US. Kansas 20.02.20 to 31.12.20

Lag (days)

Pearson r (Rt ~ mobility)

-1.0  -0.6  -0.2  0.2  0.6  1.0

retail  grocery  transit  residential  work  parks

Lag (days)
US.Kentucky 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
US. Minnesota 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)
US. North Dakota 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

-1.0 -0.6 -0.2 0.2 0.6 1.0

retail
grocery
transit
residential
work
parks
US. Pennsylvania 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)

retail
grocery
transit
residential
work
parks
US. Rhode Island 20.02.20 to 31.12.20

Lag (days)

Pearson r (Rt ~ mobility)

-1.0  -0.6  -0.2  0.2  0.6  1.0

retail
grocery
transit
residential
work
parks
US. Tennessee 20.02.20 to 31.12.20

Pearson r (Rt ~ mobility)

Lag (days)
US.Wyoming 20.02.20 to 31.12.20

Lag (days)

Pearson r (Rt ~ mobility)

-1.0
-0.6
-0.2
0.2
0.6
1.0

retail
grocery
transit
residential
work
parks