**Table S1:**

**List of procedures that are obtained by using visualization method.**

Demonstrates the behavior and contact member of every single individual of Haslemere data set during these three consecutive days

|  |  |
| --- | --- |
| **Categories** | **Procedures** |
| Household | 1. Individuals with at least 10 logged data points between 22:00 and 07:55 AM on any of the dates [1]
2. Individuals who contact for three consecutive night after 19:00 and have to distance less than 2
3. Individuals who have more than 80 logged data point during three consecutive day
 |
| Workplace | 1. Encounters which occurred on Thursday and Friday between 8:30 AM and 18:00
 |
| Social Environment | 1. Individuals with a lease than ten logged data points between 22:00 and 07:55 AM on any of the dates
2. The encounters which are occurred after 19:00 clock for one-night lease than five logged data point
3. Encounters which occurred on Saturday from 8:00 AM and 18:00 less 15 logged data points
 |

1] Stephen M. Kissler, Petra Klepac, Maria Tang, Andrew J.K. Conlan and Julia R. Gog, ” Supplemental Information for: Sparking “The BBC Four Pandemic”: Leveraging citizen science and mobile phones to model the spread of disease, April 7, 2019