Modelling targeted to help young people (and anyone else) understand how Covid 19 spreads and how policies may differ in each local area to get a better outcome.

- Covid 19 Mythology
- Out of the loop
- ‘model mystery’
- Why compliance?

Localisation Modelling Youth Education to Drive Advocacy in Covid 19

Maurice Glucksman and Kim Warren

... with Guest Analysts
What we thought would happen

- Recruit Analysts
- Build/test a standard but accessible SEIR model
- Easy learning
- Real-world case support
- Better policies
- Real-world publicity

The Covid 19 Localisation Modelling Group
What we needed in hindsight: More Stuff!

<table>
<thead>
<tr>
<th>Resources Needed</th>
<th>At Start</th>
<th>Where we are now</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domain Knowledge</td>
<td>little</td>
<td>significant</td>
</tr>
<tr>
<td>Validated SEIRD etc. Model</td>
<td>none</td>
<td>extensive</td>
</tr>
<tr>
<td>Teaching Resources – Easy Learning</td>
<td>Some</td>
<td>Free Course and Webinars</td>
</tr>
<tr>
<td>Application Analysts/users</td>
<td>none</td>
<td>Dozens/hundreds</td>
</tr>
<tr>
<td>Published Case Studies</td>
<td>none</td>
<td>12</td>
</tr>
<tr>
<td>Conferences, Panel Invitations</td>
<td>none</td>
<td>15</td>
</tr>
<tr>
<td>Reputation Validating Partners/Supporters</td>
<td>none</td>
<td>12</td>
</tr>
<tr>
<td>Community Support from Influencers</td>
<td>none</td>
<td>Estimated: &gt; 100</td>
</tr>
<tr>
<td>Use by Public Health Policymakers</td>
<td>none</td>
<td>trials</td>
</tr>
<tr>
<td>Mass Media Support</td>
<td>none</td>
<td>Expressions of interest – no actions</td>
</tr>
</tbody>
</table>
Our Mental Model of ‘What happened’

- Domain Experts
- Case Studies
- TC19LMG
- Analysts
- Partners
- Public Heath Policymakers
- Publications/Competitions
- Courses and Webinars
- Community Influencers
- Better policies
- Media: Real World Publicity

The Covid 19 Localisation Modelling Group
Top Analysts: Diverse Interests, HS & Uni …

Sukhada Gole⁷, Mumbai University, India
Farrah Farnejad⁸, Queen Mary University, UK
Quinn Kennedy ⁶, Fordham Prep, NY, USA
Harshita Magroria⁷, Mumbai University, India
Brahmani Nutakki⁴, U of Hyderabad, India
Sonam Maske³, Idol Mumbai University
Andre Nemec⁵, York University, UK
Yashashree Rane⁷, Mumbai University, India
Argy Sakti⁴, NYU, USA, Indonesia
Hasna Virk¹,², Warwick University, UK

Majors:
Art¹, Biomedical Sciences², Chemistry³, Computer Science⁴, Economics & Finance⁵, High School⁶, Political Science⁷, Public Health⁸

Link to a video of their comments

The Covid 19 Localisation Modelling Group
COVID-19 out-breaks are *local* ... so too are the health-systems to deal with them

It is helpful and motivating for citizens to *understand* about the outbreak in their local area.
The mutation triple-whammy:

"What we see" reported

"What we don't see" – mostly invisible

[Graphs and charts showing the comparison between data and model predictions with and without mutations, highlighting the impact of vaccination and surveillance measures.]

data.london.gov.uk/dataset/coronavirus--covid-19--cases and COVID19 Localisation Modelling Group analysis
The take aways:

Surprising consequences of Educating young people about the pandemic

A pandemic model is just one of many factors needed for behavioral change

Please check our Website with Webinars, Course links Articles ...
localmodelgroup.com

Thank you