

# COVID-19 RESEARCH NEWSLETTER

Issue 3, 3 May 2020

## Pandemic Simulator

Researchers from the Big Data Analytics Center (BiDAC) are currently developing a Pandemic Simulator to provide a better understanding of the effects of social distancing and isolation on the development of the pandemic. To model the virus behavior, a settings panel is provided to explore the spreading characteristics in small, medium or large cities. The Simulator is user-friendly and intuitive for technical and non-technical users. It has four settings for the simulation of social distancing that would allow/disallow: working, visiting other houses, visiting social areas or going to school. All probabilities can be set before the initialization of the simulation or during the run to observe the effects during a pandemic.



The Simulator is accessible at <https://bi-dac.com/simulator/>. The team is currently extending its support to answer questions such as what would happen if schools, social areas and workplaces are gradually reopened?

**Research Team: Nazar Zaki, Tetiana Habuza & Stefanache Cornel**, Big Data Analytics Center (BiDAC), United Arab Emirates University.

If you are interested in sharing your COVID-19 related research, please send your contribution to [research.office@uaeu.ac.ae](mailto:research.office@uaeu.ac.ae)