

Talisman: Intelligent Algorithms for COVID-19 mitigation casting virtual safety nets to protect and empower the society

Initiative: Corona Crisis and Beyond – Perspectives for Science, Scholarship and Society (beendet)

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This project addresses the questions of how macroscopic socio-economic metrics are amplified for individuals during a COVID-19 pandemic and what could be the mitigating strategies taking into account short-term immunity development and curated closures in a community. The aim is to obtain policy-making guidelines for optimal commercial activities in urban areas and to develop economic and healthcare support to rural areas that show elevated susceptibility to a COVID-19 pandemic. The key impact might be a significant reduction of the socio-economic and healthcare burden of COVID-19 pandemic by using datadriven methods to build curated mitigation and exit strategies tailored to local demographics.

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