

## Statistics for a correct interpretation of the COVID-19 epidemic

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We revisit the main statistical methods for the most important aims in monitoring an epidemic outbreak: descriptive methods, policy making and evaluation, predictive methodologies. We discuss the main indicators used for monitoring the COVID-19 pandemic. A critique of the indicators is given, with particular care about their interpretation and limitations. Suggestions for overcoming some limitations, based on data analytic methods, are also given. Priority will be given to the discussion of simple methodologies that do not involve explicit modelling and inferential tools. Most of the discussion applies in general to epidemiological monitoring, and even in other fields.

## GLOBAL HEALTH & WELL BEING

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BIOGRAPHICAL SKETCH

<http://www.afarcome.altervista.org/cveng.pdf>

REFERENCES