Bibliography

[1] World Health Organization, "Coronavirus disease (covid-19) pandemic," 03 2021.

[2] Folkhälsomyndigheten, "Bekräftade fall i sverige – daglig uppdatering," 03 2021.

[3] J. Gnanvi, V. K. Salako, B. Kotanmi, and R. G. Kakaï, "On the reliability of predictions on covid-19 dynamics: a systematic and critical review of modelling techniques," *Infectious Disease Modelling*, vol. 6, pp. 258–272, 2021.

[4] S. Eker, "Validity and usefulness of covid-19 models," *Humanities and Social Sciences Communications*, vol. 54, no. 7, 2020.

[5] B. Hu, H. Guo, P. Zhou, and Z.-L. Shi, "Characteristics of sars-cov-2 and covid-19," *Nature Reviews Microbiology*, vol. 19, pp. 141–154, 10 2020.

[6] H. W. Hethcote, "The mathematics of infectious diseases," *Society for Industrial and Applied Mathematics*, vol. 42, no. 4, pp. 599–653, 2000.

[7] J. L. Aron and I. B. Schwartz, "Seasonality and period-doubling bifurcations in an epidemic model," *Journal of Theoretical Biology*, vol. 110, no. 4, pp. 665–679, 1984.

[8] O. N. Bjørnstad, K. Shea, M. Krzywinski, and N. Altman, "The seirs model for infectious disease dynamics," *Nature Methods*, vol. 17, no. 6, pp. 557–558, 06 2020.

[9] S. Olaniyi, M. A. Lawal, and O. S. Obabiyi, "Stability and sensitivity analysis of a deterministic epidemiological model with pseudo-recovery," *IAENG International Journal of Applied Mathematics*, vol. 46, no. 2, pp. 160–167, 05 2016.

[10] P. Singh, S. K. Srivastava, and U. Arora, "Stability of seir model of infectious diseases with human immunity," *Global Journal of Pure and Applied Mathematics*, vol. 13, no. 6, pp. 1811–1819, 2017.

[11] F. Ndaïrou, I. Area, J. J. Nieto, and D. F. Torres, "Mathematical modeling of covid-19 transmission dynamics with a case study of wuhan," *Chaos, Solitons & Fractals*, vol. 135, 06 2020.

[12] G. Bhuju, G. R. Phaijoo, and D. B. Gurung, "Sensitivity analysis of covid-19 transmission dynamics," *International Journal of Advanced Engineering Research and Applications*, vol. 06, no. 4, 08 2020.

[13] G. Massonis, J. R. Banga, and A. F. Villaverde, "Structural identifiability and observability of compartmental models of the covid-19 pandemic," *Annual Reviews in Control*, vol. 51, pp. 441–459, 12 2020.

[14] N. M. Linton, T. Kobayashi, Y. Yang, K. Hayashi, A. R. Akhmetzhanov, S. mok Jung, B. Yuan, R. Kinoshita, and H. Nishiura, "Incubation period and other epidemiological characteristics of 2019 novel coronavirus infections with right truncation: A statistical analysis of publicly available case data," *Journal of clinical medicine*, vol. 9, no. 2, 2020.

[15] L. B. Rodda, J. Netland, L. Shehata, K. B. Pruner, P. A. Morawski, C. D. Thouvenel, K. K. Takehara, J. Eggenberger, E. A. Hemann, H. R. Waterman, M. L. Fahning, Y. Chen, M. Hale, J. Rathe, C. Stokes, S. Wrenn, B. Fiala, L. Carter, J. A. Hamerman, N. P. King, M. G. Jr, D. J. Campbell, D. J. Rawlings, and M. Pepper, "Functional sars-cov-2-specific immune memory persists after mild covid-19," *Cell*, vol. 184, no. 1, pp. 169–183, 2021.

[16] Folkhälsomyndigheten, "The infection fatality rate of covid-19 in stockholm – technical report," 2020.

[17] W. C. Roda, M. B. Varughese, D. Han, and M. Y. Li, "Why is it difficult to accurately predict the covid-19 epidemic?" *Infectious Disease Modelling*, vol. 5, pp. 271–281, 2020.

[18] C. L. Quéré, R. B. Jackson, M. W. Jones, A. J. P. Smith, S. Abernethy, R. M. Andrew, A. J. De-Gol, D. R. Willis, Y. Shan, J. G. Canadell, P. Friedlingstein, F. Creutzig, and G. P. Peters, "Temporary reduction in daily global co_2 emissions during the covid-19 forced confinement," *Nature Climate Change*, vol. 10, pp. 647–653, 05 2020.

[19] United Nations, “Universal declaration of human rights.”