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and **Anna Haensch, Christoph Borgers** and **Bruce Boghosian**. *Covid-19 Vaccine Hesitancy  
and Mega-Influencers*. Preliminary report.

Opinions as the drivers of human behavior, is the reason people study opinion dynamics. Opinion formation is a complex process, with many factors such as social media influence, people's environment, stubbornness, etc. So, when trying to model opinion dynamics, methods inspired from physics have been developed. These methods often have practical aim of simulation opinion formation and spreading under various conditions. In this talk we will discuss several opinion dynamics models. We repeat the same process many times and are interested in what we can say about the dynamics. The question we want to answer is: "under which conditions is equilibrium reached in the space of point processes?" Additionally, we compare CDC's vaccine hesitancy data with several opinion dynamics models. This is a joint work with Anna Haensch, Bruce Boghosian and Christoph Borgers. (Received January 05, 2022)