Digital Total - Computing & Data Science an der Universität Hamburg und in der Wissenschaftsmetropole Hamburg



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Predicting COVID-19 Vaccination Uptake from Public Discourse: A Machine Learning Approach

This project explores the relationship between public discourse and COVID-19 vaccination uptake and how to use real world data to identify public opinion on COVID-19 vaccination. The analysis will apply machine learning techniques to Twitter data and will link these to data on vaccination rates. In Machine Learning the focus is mainly on providing point forecasts. But in many real-world applications it is also key to address the uncertainty of the estimates provided by the machine learning methods. In recent years so-called conform prediction has been developed to quantify the uncertainty of machine learning methods. Within this project this new methodology will be further developed and applied to the problem at hand.

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Keywords

Machine learning COVID-19 Twitter

TentID

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