

# DSS Statistics Seminar

March 5, 2021, 15:00

<https://uniroma1.zoom.us/j/86881977368?pwd=SWRFcVFjMDZTa0lXZk05TE1zNm5adz09>

Passcode: 432940

Replicability and Reproducibility:  
the interplay between statistical  
science and data science

***N. Reid***

***University of Toronto***

The current pandemic has brought into sharp relief the essential role of data in nearly all aspects of science, government and public health. But data is useless without explanation and interpretation, and statistical science has a long history and rich traditions for providing explanation and interpretation. In this talk I describe how data science and statistical science together can provide a robust framework for extracting insights from data reliably, and thus contribute to both replicability and reproducibility. This is illustrated with a selection of examples from recent news articles, along with some discussion on the role of the theory of inference in this framework.



**SAPIENZA**  
UNIVERSITÀ DI ROMA