



**International College of Prosthodontists
London Symposium – Satellite Meeting
August 30 – September 2, 2023**

Invited Speaker – Danielle Layton

Title

Statistics: The Mathematical Theory of Ignorance

Abstract

It has been said that statistics should be used like a blind man uses a lamp post: for support and not for illumination. Why do bookies use odds for a horserace? Do storks really deliver babies? How can you make trousers for the average number of legs? Unfortunately, as we read through our prosthodontic literature, we are often left with the thought that the precise results are based on statistics that have accurately stated a half-truth inaccurately

Biography

Adj A/Prof Danielle Layton is a prosthodontist in practice in Brisbane and at University of Queensland, Australia. She graduated from University of Queensland with a Bachelor of Dental Science with honours and the University medal (2000); from the University of Sydney with a Master of Dental Science in prosthodontics with honours (2005); and from Oxford University, United Kingdom, with a Master of Science (2011) and Doctor of Philosophy in Evidence Based Health Care (2015). Dr. Layton is appointed by the Academy of Prosthodontist (USA) as the Editor of the Glossary of Prosthodontic Terms; to the Academy of Australian and New Zealand Prosthodontists Standards Committee; and is a reviewer for multiple international journals. Dr. Layton publishes and lectures widely, and explores research interests in survival outcomes, medical indexing, research waste and the influence of withdrawn data. Dr. Layton is a nationally and internationally recognized expert in the field of prosthodontics and biostatistics.