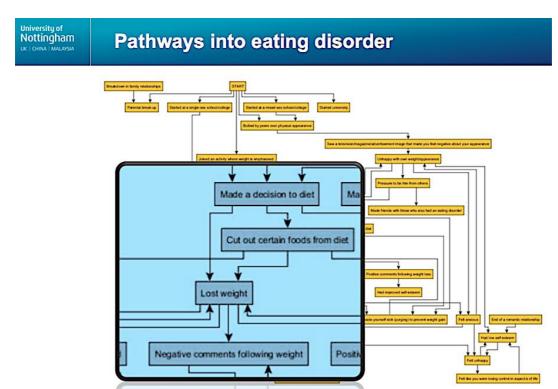
Timelines in crime, health, and space flight

David Clarke (Emeritus Professor) and David Keatley (former PhD student, now Associated Professor in Criminology & Chair of Crime Science, Murdoch University, Perth Australia) are developing and using a set of research tools based around Behaviour Sequence Analysis and known collectively as the 'Timeline Toolkit'. They have ongoing research in three main areas:

- Behavioural analysis of crime scenes and cold case murders in conjunction with police forces in America, Britain and Australia, and the FBI.
- Tracking pathways into and out of mental health crises.
- Working with the European Space Agency and others to model the conditions for long-haul space flights by studying interactions in mission simulations and polar expeditions.





Keatley, D. A., Marono, A., & Clarke, D. D. (2018) Unmaking a murderer: Behaviour sequence analysis of false confessions. <u>Psychiatry, Psychology and Law, 25(3)</u>, 425-436. https://doi.org/10.1080/13218719.2018.1463875

Keatley, D. A. & Clarke, D. D. (2019) A Timeline Toolkit for Cold Case Investigations. <u>Journal of Criminal Psychology</u>, 10(2), 47-63. https://doi.org/10.1108/JCP-09-2019-0039

Keatley, D.A., & Clarke, D.D. (2019) Crime Linkage: Finding a Behavioral Fingerprint Using the "Path Similarity Metric". <u>J Police Crim Psych, 35(2)</u>, 240–246. https://doi.org/10.1007/s11896-019-9315-3 Keatley, D. A., Walters, I., Parke, A., Joyce, T. & Clarke, D. D. (2020) Mapping the pathways between recreational cannabis use and mood disorders: A Behaviour Sequence Analysis approach. <u>Health Promotion Journal of Australia, 31(1)</u>, 38-46. https://doi: 10.1002/hpja.261