About the Workshop

Purpose:

1. Discuss the current data science projects underway between CTDS and NSW Government departments;
2. Hear presentations led by each Department/Statutory Body/Service focusing on current data issues; and
3. Develop ideas for data science solutions to meet individual requirements.

The workshop will provide an opportunity to connect with and hear about data issues and explore data science solutions faced by NSW Police Force, NSW Land and Housing Commission, NSW Health, NSW Transport and NSW Industry, Skills and Regional Development.

This event is proudly hosted by the Centre for Translational Data Science (CTDS), which is driving new and transformational advances in research through the application of data and machine learning technologies. The Centre is also supporting and building substantial new human capacity through teaching data science as a translational methodology and training a new generation of scientists in the physical, life and social sciences.
**Program**

10:00  **OPENING** | Opening remarks by **Professor Hugh Durrant-Whyte**, Director CTDS.

10:15  Centre for Translational Data Science Ongoing Projects.

**Data Science for Modelling Crime and Criminal Behaviour: Current projects with NSWP, Juvenile Justice and PCYC.**  
**Dr Roman Marchant**, Data Scientist, CTDS.

**Data Science in Health.**  
**Jared Berghold**, Lead Engineer, Sydney Informatics Hub.

**Data Science and the Reform of Vocational Education: Innovation in Organisation and Analysis.**  
**Professor John Buchanan**, Chair of Business Analytics, Business School.

11:15  Presentations from NSW Government Departments on an overview of the department role, what data is collected and how it is currently used.

**NSW Juvenile Justice**, **Dr Eric Heller**, Research & Information Manager.

**NSW Bureau of Crime Statistics**, **Dr Suzanne Poynton**, Research Manager.

**NSW Health**, **Dr Julie Dixon**, Director of Planning, Population Health and Equity.

**NSW Department of Premier & Cabinet**, **David Anker**, Countering Violent Extremism, Social Policy Group.

**NSW Family and Community Services**, **Stuart Trembath**, Redlink Centre.

12:15  **Lunch**

12:45  Round table discussion on practical solutions offered by data science methodologies. Ideas for future collaboration and possibilities for multidisciplinary projects that support practical outcomes in the public sector.

14:45  Closing remarks from CTDS

15:00  **END OF WORKSHOP**