

EPSRC CDT in Distributed Algorithms

PhD Project: Developing AI Methods for Animal Health and Welfare Monitoring

University of Liverpool

PhD Student: Adam Williams

Project Partner: Dogs Trust

Supervisors:

Dr PJ Noble, University of Liverpool

Dr Anh Nguyen

Dr Kirsten McMillan

Project Description

Within the animal welfare field, large amounts of free text data are collected in the form of veterinary clinical notes and free text responses from citizen science surveys. This project aims to improve access too and insight from these data sources by developing language models optimized for the language used in these sources. These models will then be used in the development of tools to evaluate emerging health and welfare trends (e.g. outbreaks of new viruses in dogs), to give early warning of instances of high-risk problem behaviours and animal/domestic abuse, and expand the availability of data in studies into canine health and welfare by using ML-generated inference from clinical and owner reported records.

Go to the [EPSRC CDT In Distributed Algorithms](#) website.