

1 Abstract

Different methods of data collection and problem formulation was compared when it comes to learning a neural network to automatically drive a car on a simple road given a camera on the front of the car. The comparisons of data collection consisted of a comparison between regular behavioural cloning and the DAGGER algorithm and the result suggested that the DAGGER algorithm outperforms behaviour cloning given smaller data but performed worse when more training time was given. The comparison of different problem formulations of treating it as a classification problem versus a regression problem showed that treating it as classification problem gave much better results.