Sense making in a multi-sensory world

Tools for Early Intervention in Autism

We aim to develop computer-based tools for use in autism training, drawing on our experience in multimedia and content analysis. The aim is to develop flexible interfaces that can deliver and record stimulus of interest in an engaging way, such that early learning in children is facilitated. The use of computers enables the delivery of stimulus in increasing levels of complexity. Importantly the response during training can be recorded and analysed and serve as the adjustment of stimulus. Another benefit of using computers to deliver the stimulus is that it can be delivered in a general way, thus preventing over-learning which can otherwise lead to lack of generalisation. Examples of stimuli can be the teaching of objects, colour, dual-concepts (example colour-object), spatial relations, facial expressions and so on.

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