

Table 2. A summary table of what physiological and behavioural measures can be extracted from each modality, an indication of which ones are used in the correlation analysis and an indication if the measure is task independent.

Modality	Measure	Part of preliminary analysis	Task independent
Facial gestures	Mean face velocity	✓	✓
	Mean smile	✓	✓
	Mean brow	✓	✓
	Mean jaw	✓	✓
	Head motion	✓	✓
	Facial gaze measurements	✓	✓
	Facial patterns	X	✓
	Emotion expression	X	✓
Gaze	Number of fixations	✓	X
	Mean fixation duration	✓	X
	Number of reading fixations	✓	X
	Number of reading backtrack	✓	X
	Percent backtrack	✓	X
Hand motion	Gait	X	✓
	Hand movement	X	X
Heart rate	Heart rate variability	✓	✓
	Heart rate change over time	X	✓
Language	Average word length	✓	✓
	Unique words	✓	✓
	Part-of-speech-tagging	✓	✓
	Word complexity	X	✓
	TFIDF-vectors	X	✓
Pen motion & pressure	Drawing speed	✓	X
	Pen pressure	✓	X
Pupil dilation	Pupil change	✓	X
	Pupil diameter	✓	X
Galvanic Skin Response	Electro-dermal activity	X	✓
Thermal emission	Head temperature change	✓	✓
	Breathing	X	✓
Video	Skin color changes over time	X	✓
	Posture	X	✓
	Body movement	X	✓
Voice	<i>h1h2</i> (Voice quality)	✓	✓
	<i>h1h3</i> (Voice quality)	✓	✓
	<i>h1a1</i> (Voice quality)	✓	✓
	<i>h1a2</i> (Voice quality)	✓	✓
	<i>h1a3</i> (Voice quality)	✓	✓
	Average pause length	✓	✓
	Mean long pause length	✓	✓
	Pause count	✓	✓