

ABSTRACT

NATURAL LANGUAGE PROCESSING ARTIFICIAL INTELLIGENCE NETWORK AND DATA SECURITY SYSTEM

According to an embodiment, a natural language processing artificial intelligence network and data security system determines an emotions model for one or more users from electronic natural language interactions of the users. The system includes a natural language processing decoder to determine textual features from the electronic natural language interactions that may be indicative of emotional states of the users. The system includes an emotions model encoder that generates an emotions model based on the emotional states of the users in the electronic natural language interactions retrieved from the data storage. The system also includes an artificial intelligence network and data security subsystem. The artificial intelligence network and data security subsystem may use the emotions model as a primitive for artificial intelligence based tasks including computer system security, network security, data security, proactive monitoring and preventive actions, that are moderated using the context provided by the emotional state of a user.

FIG. 1A