

Title (en)
METHOD AND DEVICE FOR PROVIDING A DATABASE FOR ASSESSING THE ROBUSTNESS OF AT LEAST ONE AI-BASED INFORMATION PROCESSING SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUM BEREITSTELLEN EINER DATENBASIS ZUR ROBUSTHEITSBEURTEILUNG MINDESTENS EINES KI-BASIERTEN INFORMATIONSVERARBEITUNGSSYSTEMS

Title (fr)
PROCÉDÉ ET DISPOSITIF DE FOURNITURE D'UNE BASE DE DONNÉES POUR ÉVALUER LA ROBUSTESSE D'AU MOINS UN SYSTÈME DE TRAITEMENT D'INFORMATIONS BASÉ SUR L'IA

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Abstract (en)
[origin: WO2022013124A1] The invention concerns a method for providing a database for assessing the robustness of at least one AI-based information processing system (10), wherein at least one AI-based information processing system (10), at least one dataset (11), at least one data augmentation definition (12) and at least one difference measure definition (13) are received as input parameters (9), wherein a multidimensional data structure (20) is produced, and wherein each data point (21) of the multidimensional data structure (20) comprises a difference value (22) determined by means of the at least one defined difference measure (13a), said difference value being determined by forming the at least one defined difference measure (13a) between output data that have been produced by the at least one AI-based information processing system (10) for data (11a) and for augmented data, and wherein the multidimensional data structure (20) produced is provided, as a result of which a robustness of the at least one AI-based information processing system (10) can be assessed on the basis of the difference values (22) that the multidimensional data structure (20) comprises. The invention also relates to a device (1).

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