

Title (en)

SYSTEMS AND METHODS TO OPTIMIZE TRAINING OF AI/ML MODELS AND ALGORITHMS

Title (de)

SYSTEME UND VERFAHREN ZUR OPTIMIERUNG DES TRAININGS VON KI/ML-MODELLEN UND ALGORITHMEN

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR OPTIMISER L'ENTRAÎNEMENT DE MODÈLES ET D'ALGORITHMES D'IA/AA

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Abstract (en)

[origin: WO2023017102A1] Systems and methods are disclosed that relate to optimization of Machine Learning (ML) or Artificial Intelligence (AI) models or algorithms. In one embodiment, a method performed by first network node comprises receiving, from at least one other network node, at least one message comprising: (a) a set of one or more historical data associated to an AI or ML (AI/ML) model or algorithm; (b) indications of at least a performance metric associated to the AI/ML model or algorithm for which optimization is desirable; and (c) instructions or recommendations to (i) re-train the AI/ML model or algorithm, update the AI/ML model or algorithm, optimize the AI/ML model or algorithm, or replace the AI/ML model or algorithm with a new AI/ML model or algorithm, (ii) to test/validate at least one AI/ML model, or (iii) both (i) and (ii). The method further comprises performing one or more actions with respect to the AI/ML model or algorithm based on information comprised in the at least one message. In this manner, the AI/ML model or algorithm can be optimized by, e.g., optimizing the associated training function and/or the based on drifts in the data distribution of dataset when the data collected for the AI/ML model or algorithm is not co-located with the node hosting the training function.

IPC 8 full level

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