

Graduatoria per l'assegnazione di un incarico di prestazione occasionale per attività di supporto alla ricerca

(Bando di selezione del 20.07.2020 - scadenza: 19.08.2020;
Approvato con delibera del Consiglio di Facoltà n. 82/2020 del 16.07.2020)

Rangordnung zur Erteilung eines Auftrags für gelegentliche Mitarbeit in Bezug auf unterstützende Forschungstätigkeit

(Ausschreibung vom 20.07.2020 – Einreichetermin: 19.08.2020;
Genehmigt mit Beschluss des Fakultätsrates Nr. 82/2020 vom 16.07.2020)

Approvata con decreto del preside della Facoltà di Scienze e Tecnologie informatiche n. 1003/2020 del 24.08.2020

Genehmigt mit Dekret des Dekans der Fakultät für Informatik Nr. 1003/2020 vom 24.08.2020

Riferimento / Kennziffer:

P04

Progetto di ricerca / Forschungsprojekt:

"Privacy-preserving Explainable AI for Health – HealthExplAI"

Descrizione dell'attività / Beschreibung der Tätigkeit:

The successful completion of the project HealthExplAI of Dr. Panagiotis Symeonidis (IN 200H) require additional skills, which are expected to be covered by an occasional collaborator, who is needed only for a specific time period of 4 months, and will be assigned with the following tasks:

- The occasional collaborator will write code in Python for the implementation of a notebook in Python Jupyter with the task to build an intelligent recommendation agent for personalized health along with explanations:*
- The occasional collaborator will build a drug recommendation agent that provides explanations to the medical doctors based on meta paths over heterogeneous graphs.*
- The occasional collaborator will develop on- and off-policy reinforcement learning methods, which are needed to capture the short-term changes of the recommendation agent behavior.*
- The occasional collaborator will extract similarities of diseases, drugs and their side effects for patients based on their daily drug treatment of a specific time period only. Based on these similarities/relevancies, the occasional collaborator will code a recommendation agent to recommend the suitable drug therapeutic for each patient.*

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