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Forecasting Electric Vehicle Charging Stations' Occupation: Smarter Mobility Data Challenge

Tuesday, 12 September 2023 09:10 (20 minutes)

In this talk, we propose to discuss the **Smarter Mobility Data Challenge** organised by the AI Manifesto, a French business network promoting AI in industry, and TAILOR, a European project aiming to provide the scientific foundations for trustworthy AI. The challenge required participants to test statistical and machine learning prediction models to predict the statuses of a set of electric vehicle (EV) charging stations in the city of Paris, at different geographical resolutions. The competition attracted 165 unique registrations, with 28 teams submitting a solution and 8 teams successfully reaching the final stage. After providing an overview of the context of electric mobility and the importance of predicting the occupancy of a charging station for smart charging applications, we describe the structure of the competition and the winning solutions.

Keywords

Data Challenge, Machine Learning, Forecasting, Smart Charging, AI Manifesto

Classification

Both methodology and application

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Session Classification: CONTRIBUTED Environment

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