Draft new Recommendation ITU-T P.1402

Guidance for the development of machine learning based solutions for QoS/QoE prediction and network performances management in telecommunication scenarios

Summary

This Recommendation introduces Machine Learning techniques and their application for QoS/QoE prediction and network performance management in telecommunication scenarios. Especially, the design of training and evaluation data is described and means to avoid overtraining for Machine Learning models.

It is also discussed the relation to classical model or algorithm development and differences are described. This recommendation gives best practice guidance for the successful development and evaluation of models based on Machine Learning but does not describe concrete models or algorithms for a dedicated purpose.