Accepted Manuscript

Explaining machine learning models in sales predictions

Marko Bohanec, Mirjana Kljajić Borštnar, Marko Robnik-Šikonja

PII: S0957-4174(16)30632-7 DOI: 10.1016/j.eswa.2016.11.010

Reference: ESWA 10981

To appear in: Expert Systems With Applications

Received date: 13 April 2016
Revised date: 19 October 2016
Accepted date: 5 November 2016



Please cite this article as: Marko Bohanec, Mirjana Kljajić Borštnar, Marko Robnik-Šikonja, Explaining machine learning models in sales predictions, *Expert Systems With Applications* (2016), doi: 10.1016/j.eswa.2016.11.010

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- A general explanation methodology explains decisions of powerful black box machine learning models
- Comprehensive and unified format of explanation for an arbitrary ML model.
- Integration of explanation methodology into knowledge based system that supports a complex business decision-making task.
- Advanced what-if analysis for the evaluation of decision options in B2B sales forecasting.
- Our solution improves human learning and reflection.

Download English Version:

https://daneshyari.com/en/article/4943552

Download Persian Version:

https://daneshyari.com/article/4943552

<u>Daneshyari.com</u>