

Title: Application of Data Analytics in Failure Pattern Recognition

Seminar Thesis

In the context of the seminar "Application of Data Analytics in Spare Parts Supply Chain Management" at the Chair for Information Systems and Supply Chain Management

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Abbreviations

SVM Support Vector Machine

Introduction 1 page

1 Problem Description 1.5-2 pages

1.1 Research Methodology

general problem, analysis tools

1.2 Data Description

explain experiment and settings, describe data for analysis

- 2 Data Preparation 1.5-2 pages
- 2.1 Data Preprocessing
- 2.2 Exploratory Analysis
- 3 Data Balancing 3 pages
- 4 SVM Classifier 3.5-4 page
- 5 Results and Discussion 1-1.5 page
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References

Declaration of Authorship

We hereby declare that, to the best of our knowledge and belief, this Seminar Thesis titled "Application of Data Analytics in Failure Pattern Recognition" is our own work. We confirm that each significant contribution to and quotation in this thesis that originates from the work or works of others is indicated by proper use of citation and references.

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