

Data Mining enterprise-scale financial data with SAP AI Core

Bachelor Thesis

Part of the Examination for the
Bachelor of Science (B.Sc.)

of Internationale Wirtschaftsinformatik
at the University of Business and Society Ludwigshafen

by

Lisa Schmidt

Date of submission:	01. Februar 2018
Timeframe:	01.10.2017 - 31.01.2018
Matriculation Number, Kurs:	631971, IBAIT19
Company:	SAP SE Dietmar-Hopp-Allee 16 69190 Walldorf, Deutschland
Company Supervisor:	Dr. Karthik Muthuswamy
Academic Supervisor:	Prof. Dr. Joachim Melcher

Inhaltsverzeichnis

1	Objectives and Criteria	1
1.1	Objectives	1
2	Approaches to Data Mining	2
2.1	Data Cleaning	2
2.2	Tf-Idf	2
2.3	K-Means	2
2.4	Visualization	2
2.5	Visualization	2
2.6	Visualization	2
3	Evaluation of the result	3
3.1	Visualization	3
3.2	Measures	3

1 Objectives and Criteria

1.1 Objectives

2 Approaches to Data Mining

2.1 Data Cleaning

2.2 Tf-Idf

2.3 K-Means

2.3.1 Elbow Diagram

2.3.2 Visualizations

2.4 Embeddings

2.5 Transformers

2.6 Dimensionality Reduction

3 Evaluation of the result

3.1 Visualization

3.2 Measures