Dog Breed Identification

Data Mining I Team Project Report

presented by

Team 5

Kengo Arao
Michael Hung
Tuan Anh Pham Le
Sascha Marton
Kacper Zurad

submitted to the
Data and Web Science Group
Prof. Dr. Stuckenschmidt
University of Mannheim

October 2017

Contents

1 Application Area and Goals

[1]

2 Structure and Size of the Data Set

3 Preprocessing

4 Data Mining

4.1 K-NN

4.2 Naive Bayes

4.3 SVM

4.4 InceptionV3

References

[1] Fausto Giunchiglia, Mikalai Yatskevich, and Pavel Shvaiko. Semantic matching: Algorithms and implementation. *Journal on Data Semantics*, 2007.