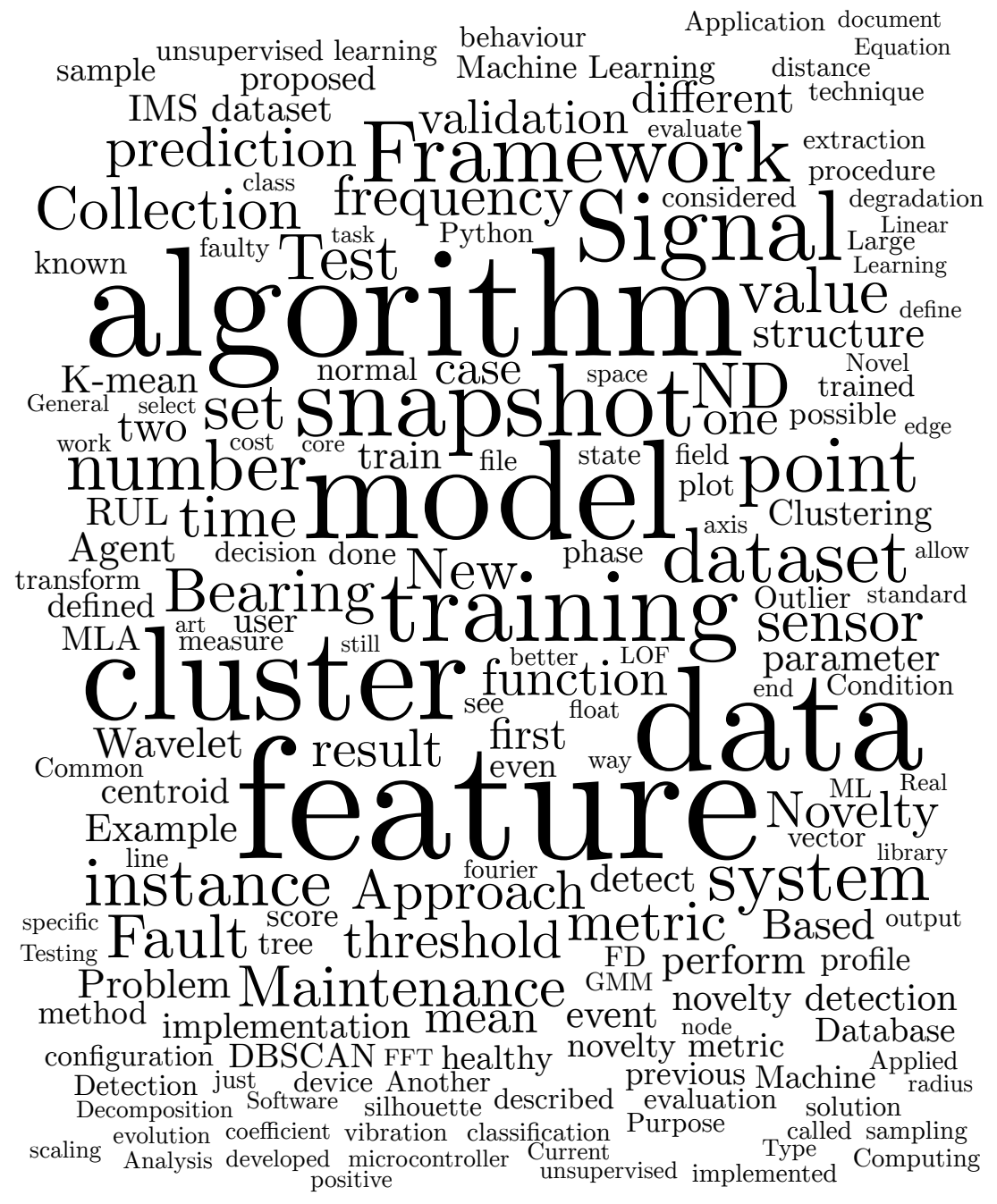
Application
document
Equation
behaviour
unsupervised learning
sample
proposed
Machine Learning
distance
technique
different
IMS dataset
validation
evaluate
prediction
Framework
extraction
procedure
class
frequency
considered
degradation
Collection
Signal
Linear
Large
Learning
task
Python
faulty
known
Test
value
define
algorithm
structure
Novel
normal
case
space
K-mean
ND
trained
General
select
set
snapshot
one
possible
edge
two
work
cost
core
train
file
state
field
number
model
point
plot
RUL
time
Clustering
axis
Agent
decision
done
New
phase
dataset
allow
transform
Bearing
Outlier
standard
defined
training
sensor
art
user
MLA
measure
still
better
LOF
parameter
cluster
function
end
Condition
see
float
data
Wavelet
result
first
Common
even
way
centroid
ML
Real
feature
Novelty
Example
vector
line
library
fourier
instance
Approach
detect
system
specific
score
metric
Based
output
Fault
tree
threshold
Testing
FD
perform
profile
Problem
Maintenance
GMM
novelty detection
method
implementation
mean
event
node
Database
configuration
DBSCAN
FFT
healthy
novelty metric
Applied
Detection
just
device
Another
previous
Machine
radius
Decomposition
Software
silhouette
described
evaluation
solution
Purpose
evolution
coefficient
vibration
classification
called
sampling
scaling
Analysis
developed
microcontroller
Current
Type
Computing
positive
unsupervised
implemented