
[ABS-8] Abstract Edited

1 pesan

AASEC 2017 <aasec@upi.edu>
Balas Ke: AASEC 2017 <aasec@upi.edu>
Kepada: hartonoibbi@gmail.com

19 Juli 2017 pukul 08.44

Dear Mr. Hartono - ,

Your abstract has been edited:

Abstract ID:

ABS-8

Please use this "Abstract ID" in all correspondence (instead of abstract title).

Title:

Optimization Model of K-Means Clustering Using Artificial Neural Networks to Handle Class Imbalance Problem

Authors:

Hartono (a,b*), Opim Salim Sitompul(b), Tulus(b), Erna Budhiarti Nababan(b)

Institutions:

a)Department of Computer Science, STMIK IBBI, Medan, Indonesia

*hartonoibbi@gmail.com

b)Department of Computer Science, University of Sumatera Utara, Medan, Indonesia

Content:

Class imbalance is a situation where instances in one class are much higher than instances in other classes. In clustering, this problem not only affects the accuracy of a prediction but also introduces bias in decision making process. In this case, a machine learning techniques will yield a good prediction accuracy from training data class with large number of instances, but give a poor accuracy in classes with small number of instances. In this research, we propose an approach for optimizing K-Means clustering in handling class imbalance problem. The approach uses the perceptron feed-forward neural network to determine coordinates of the centroid of a cluster in K-Means clustering processes. Data used in this research is the dataset from the UCI Machine Learning Repository. From the experimental results obtained, the proposed approach could optimize the result of K-Means clustering in terms of minimizing class imbalance.

Keywords:

Class Imbalance; K-Means Clustering; Artificial Neural Network; Perceptron

Topic:

Computer Science (AS-03)

Presenter:

Hartono -

Type:

Oral Presentation

The Letter of Acceptance (LoA) can be downloaded from your account, once your abstract is accepted to be presented.

Thank you.

Best Regards,

AASEC 2017 Organizing Committee

Website: <http://aasec.conference.upi.edu/2017/kfz>Email: aasec@upi.edu

[ABS-8 FULL_PAPER] File Submitted to AASEC 2017

1 pesan

AASEC 2017 <aasec@upi.edu>
Balas Ke: AASEC 2017 <aasec@upi.edu>
Kepada: hartonoibbi@gmail.com

19 Juli 2017 pukul 08.45

Dear Mr. Hartono -,

We have received the submission of your file:

Abstract ID:
ABS-8

Title:
Optimization Model of K-Means Clustering Using Artificial Neural Networks to Handle Class Imbalance Problem

Authors:
Hartono (a,b*), Opim Salim Sitompul(b), Tulus(b), Erna Budhiarti Nababan(b)

Type:
full_paper

Topic:
Computer Science (AS-03)

Presenter:
Hartono -

Thank you very much.

Best Regards,
AASEC 2017 Organizing Committee
Website: <http://aasec.conference.upi.edu/2017/kfz>
Email: aasec@upi.edu

Listed in Indonesia Conference Directory | <http://ifory.net>
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Fwd: Re: LOA AASEC

1 pesan

Isma Widiaty <isma@upi.edu>
Kepada: hartonoibbi@gmail.com

15 Agustus 2017 pukul 09.59

----- Forwarded message -----

From: "Agus Juhana" <agus.juhana@student.upi.edu>
Date: Aug 15, 2017 10:44 AM
Subject: Re: LOA AASEC
To: "Isma Widiaty" <isma@upi.edu>
Cc:

Ini bu yang betul

2017-08-14 20:39 GMT-07:00 Agus Juhana <agus.juhana@student.upi.edu>:
| Assalamualaikum. Berikut terlampir LOA AASEC 2017

2 lampiran**LOA AASEC 2017.pdf**

311K

**PAPER AASEC.pdf**

400K



Annual Applied Science and Engineering Conference (AASEC 2016)

"Empowering Young Researchers in the Field of Science and Engineering"

Organized by: Tim Pengembang Jurnal – Universitas Pendidikan Indonesia

Gedung UC lantai 5, Jl. Dr. Setiabudhi 229 Bandung.

Bandung, August 12, 2017

Letter of Acceptance

Dear Authors: Hartono, Opim Salim Sitompul, Tulus, Erna Budhiarti Nababan

We are pleased to inform you that your full paper (ABS-8, Oral Presentation), entitled:

"Optimization Model of K-Means Clustering Using Artificial Neural Networks to Handle Class Imbalance Problem"

has been reviewed and accepted to be presented at AASEC 2017 conference to be held on August 24, 2017 in Bandung, Indonesia.

Please submit your revised paper and make the payment for registration fee before the deadlines, visit our website for more information.

Thank You.

Best regards,

Dr.Eng. Asep Bayu Dani Nandiyanto, M.Eng.
AASEC 2017 Chairperson

[ABS-8 REVISED_PAPER] File Submitted to AASEC 2017

3 pesan

AASEC 2017 <aasec@upi.edu>
Balas Ke: AASEC 2017 <aasec@upi.edu>
Kepada: hartonoibbi@gmail.com

22 Agustus 2017 pukul 19.14

Dear Mr. Hartono - ,

We have received the submission of your file:

Abstract ID:
ABS-8Title:
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Hartono (a,b*), Opim Salim Sitompul(b), Tulus(b), Erna Budhiarti Nababan(b)Type:
revised_paperTopic:
Computer Science (AS-03)Presenter:
Hartono -

Thank you very much.

Best Regards,
AASEC 2017 Organizing Committee
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AASEC 2017 <aasec@upi.edu>
Balas Ke: AASEC 2017 <aasec@upi.edu>
Kepada: hartonoibbi@gmail.com

22 Agustus 2017 pukul 19.32

Dear Mr. Hartono - ,

We have received the submission of your file:

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Type:

presentation_slide

[Kutipan teks disembunyikan]

Hartono Ibbi <hartonoibbi@gmail.com>
Kepada: AASEC 2017 <aasec@upi.edu>

23 Agustus 2017 pukul 03.07

Thank you for your information.

[Kutipan teks disembunyikan]