



## CSC 5741 Epilogue: Paper Reviews and Closing Remarks

Lighton Phiri <[lighton.phiri@unza.zm](mailto:lighton.phiri@unza.zm)>  
Department of Library and Information Science  
University of Zambia

## Announcements—June 11, 2019

- **Class Theory Test #02**
  - June 18, 2019
  - Classroom #03, Department of Computer Science
  - 17H40 GMT+2
- **Continuous Assessment Scores**
  - Verify scores once entire scores are computed
  - Continuous assessment to be computed after Class Theory Test #02

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## Paper Reading Schedule (1/2)

#	Time	Student Name	Paper
1.	18:00–18:10	John Daka	Using Data Mining For Bank Direct Marketing
2.	18:10–18:20	Inonge Lamaswala	A Study of Some Data Mining Classification Techniques
3.	18:20–18:30	Mubanga Mubanga	A Novel Position-based Sentiment Classification Algorithm for Facebook Comments
4.	18:30–18:40	Nonde Mukuma	Speeding up Support Vector Machines
5.	18:40–18:50	David Mulenga	Mining Educational Data to Analyze Students' Performance

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## Paper Reading Schedule (1/2)

#	Time	Student Name	Paper
6.	18:50–19:00	Memory Mumbi	Application of Fuzzy C-Means Clustering Algorithm
7.	19:00–19:10	Kaumba Mutende	Data Mining for Fraud Detection
8.	19:10–19:20	Justin Nongola	Educational Data Mining & Students' Performance Prediction
9.	19:20–19:30	Anthony Sampa	Tiger Population Growth Prediction
10.	19:30–19:40	Tasha Shamane	A System to Filter Unwanted Messages from OSN User Walls
11.	19:40–19:50	Mweemba Sikuyuba	Educational Data Mining Rule based Recommender Systems

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## "Some" Important Things to Pay Attention to

- Relevance to focus
- Publication Venues
- Year of Publication
- Publication Venue and Paper Reputation
  - (i) Journal impact factor; (ii) Frequency of publication
  - Confirm if publication venue is not on any publicly available "watch lists"—e.g. Bell's List of Predatory Journals and Publishers

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## Beware of Predatory Journals

### How to identify a predatory journal/publisher

- Online journal
- 'Aggressive' solicitation
- Request to submit identified as "\*\*Spam\*\*"
- Obscure title, publisher, source
- No journal impact factor\*
- Listed on the 'BEALL' website

<https://www.up.ac.za/media/shared/624/Prof-Don-Cowan-predatory-journals-publishers-and-conferences.zip91698.pdf>

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## Paper #01: John Daka

Google Scholar

USING DATA MINING FOR BANK DIRECT MARKETING: AN APPLICATION

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Using data mining for bank direct marketing: An application of the crisp-dm methodology

S.Moro, R.Laursano, P.Cortez - Proceedings of ..., 2011 - repositiorium.sdum.uminho.pt

The increasingly vast number of marketing campaigns over time has reduced its effect on the general public. Furthermore, economical pressures and competition has led marketing managers to invest on directed campaigns with a strict and rigorous selection of contacts. Such direct campaigns can be enhanced through the use of Business Intelligence (BI) and Data Mining (DM) techniques. This paper describes an implementation of a DM project based on the CRISP-DM methodology. Real-world data were collected from a Portuguese ...

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## Paper #02: Inonge Lamaswala

Google Scholar

A Study of Some Data Mining Classification Techniques

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[CITATION] A study of some data mining classification techniques

MSM Gorade, A Deo, P Purohit - IRJET, 2017

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## Paper #03: Mubanga Mubanga

Google Scholar

A Novel Position-based Sentiment Classification Algorithm for Facebook Con



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**A Novel Position-based Sentiment Classification Algorithm for Facebook Comments**

K Surroop, K Canoo... - INTERNATIONAL ..., 2016 - pdfs.semanticscholar.org

With the popularization of social networks, people are now more at ease to share their thoughts, ideas, opinions and views about all kinds of topics on public platforms. Millions of users are connected each day on social networks and they often contribute to online crimes by their comments or posts through cyber bullying, identity theft, online blackmailing, etc. Mauritius has also registered a surge in the number of cybercrime cases during the past decade. In this study, a trilingual dataset of 1031 comments was extracted from public pages ...

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## Paper #04: Nonde Mukuma

Google Scholar

Speeding up Support Vector Machines Probabilistic versus Nearest Neighbou



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**Speeding up support vector machines: Probabilistic versus nearest neighbour methods for condensing training data**

M Gamboni, A Garg, O Grishin... - 3rd International ..., 2014 - nyu-staging.pure.elsevier.com

Several methods for reducing the running time of support vector machines (SVMs) are compared in terms of speed-up factor and classification accuracy using seven large real world datasets obtained from the UCI Machine Learning Repository. All the methods tested are based on reducing the size of the training data that is then fed to the SVM. Two probabilistic methods are investigated that run in linear time with respect to the size of the training data: blind random sampling and a new method for guided random sampling ...

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## Paper #05: David Mulenga

Google Scholar

Mining Educational Data to Analyze Students' Performance



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**Mining educational data to analyze students' performance**

BK Baradwaj, S Pal - arXiv preprint arXiv:1201.3417, 2012 - arxiv.org

The main objective of higher education institutions is to provide quality education to its students. One way to achieve highest level of quality in higher education system is by discovering knowledge for prediction regarding enrolment of students in a particular course, alienation of traditional classroom teaching model, detection of unfair means used in online examination, detection of abnormal values in the result sheets of the students, prediction about students' performance and so on. The knowledge is hidden among the educational ...

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## Paper #06: Memory Mumbi

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Application of Fuzzy C-Means Clustering Algorithm Based on Particle Swarm



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**Application of fuzzy c-means clustering algorithm based on particle swarm optimization in computer forensics**

D Wang, B Han, M Huang - Physics Procedia, 2012 - Elsevier

Computer forensics is the technology of applying computer technology to access, investigate and analysis the evidence of computer crime. It mainly include the process of determine and obtain digital evidence, analyze and take data, file and submit result. And the data analysis is the key link of computer forensics. As the complexity of real data and the characteristics of fuzzy, evidence analysis has been difficult to obtain the desired results. This paper applies fuzzy c-means clustering algorithm based on particle swarm optimization (FCMP) in ...

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## Paper #07: Kaumba Mutende

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## Paper #08: Justin Nongola

Google Scholar

Educational Data Mining & Students' Performance Prediction



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[PDF] Educational data mining & students' performance prediction

AA Saa - ... Journal of Advanced Computer Science and ..., 2016 - pdfs.semanticscholar.org

It is important to study and analyse educational data especially students' performance. Educational Data Mining (EDM) is the field of study concerned with mining educational data to find out interesting patterns and knowledge in educational organizations. This study is equally concerned with this subject, specifically, the students' performance. This study explores multiple factors theoretically assumed to affect students' performance in higher education, and finds a qualitative model which best classifies and predicts the students' ...

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## Paper #09: Anthony Sampa

Google Scholar

A System to Filter Unwanted Messages from OSN User Walls



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A system to filter unwanted messages from osn user walls

M.Vanetti, E Binaghi, E Ferrati... - ... on Knowledge and ..., 2011 - ieeexplore.ieee.org

One fundamental issue in today's Online Social Networks (OSNs) is to give users the ability to control the messages posted on their own private space to avoid that unwanted content is displayed. Up to now, OSNs provide little support to this requirement. To fill the gap, in this paper, we propose a system allowing OSN users to have a direct control on the messages posted on their walls. This is achieved through a flexible rule-based system, that allows users to customize the filtering criteria to be applied to their walls, and a Machine Learning ...

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[PDF] A SYSTEM TO FILTER UNWANTED MESSAGES FROM OSN USER WALL

V Sanghvi, A Nanaware, D Nadar, C Bhole - International Journal of ..., 2013 - Citeseer

One fundamental issue in today's Online Social Networks (OSNs) is to provide users the ability to control the messages posted on their own private space to avoid that unwanted

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## Paper #10: Tasha Shamane

Google Scholar

A System to Filter Unwanted Messages from OSN User Walls



### Articles

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A system to filter unwanted messages from osn user walls

M.Vanetti, E Binaghi, E Ferrati... - ... on Knowledge and ..., 2011 - ieeexplore.ieee.org

One fundamental issue in today's Online Social Networks (OSNs) is to give users the ability to control the messages posted on their own private space to avoid that unwanted content is displayed. Up to now, OSNs provide little support to this requirement. To fill the gap, in this paper, we propose a system allowing OSN users to have a direct control on the messages posted on their walls. This is achieved through a flexible rule-based system, that allows users to customize the filtering criteria to be applied to their walls, and a Machine Learning ...

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[PDF] A SYSTEM TO FILTER UNWANTED MESSAGES FROM OSN USER WALL

V Sanghvi, A Nanaware, D Nadar, C Bhole - International Journal of ..., 2013 - Citeseer

One fundamental issue in today's Online Social Networks (OSNs) is to provide users the ability to control the messages posted on their own private space to avoid that unwanted content is displayed. It deals with providing power and convenience to user not only on the

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## Paper #11: Mweemba Sikuyuba

Google Scholar

Educational Data Mining Rule based Recommender Systems



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[PDF] Educational Data Mining Rule based Recommender Systems.  
G.Mobasher, A Shawish, O Ibrahim - CSEDU (1), 2017 - scitepress.org  
Educational Data Mining (EDM) is an emerging multidisciplinary research area, in which data mining techniques are deployed to extract knowledge from educational information systems to help decision makers to improve the learning process and enhance the academic performance of the students. The available studies mainly focused on predicting the academic performance based on demographic and study related attributes. Most of the previous work adopted the decision trees as one of the most famous data mining techniques ...

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## Bibliography

- [1] Cowan, D. (2016). Predatory Journals, Publishers and Conferences  
<https://www.up.ac.za/media/shared/624/Prof-Don-Cowan-predatory-journals-publishers-and-conferences.zp91698.pdf>
- [2] Beall's List of Predatory Journals and Publishers  
<https://beallslist.weebly.com>

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