

From software engineer to day trader in 5 easy steps: a comparison of software engineering (SE) data mining with financial data mining


Author:  [Gary D. Boetticher](#) [Authors Info & Claims](#)

PROMISE '09: Proceedings of the 5th International Conference on Predictor Models in Software Engineering
• May 2009 • Article No.: 14 • Pages 1–5 • <https://doi.org/10.1145/1540438.1540458>

Published: 18 May 2009 [Publication History](#) 

 1  382

   [Get Access](#)

     17   

ABSTRACT


One of the research objectives in Software Engineering Data Mining is to produce useful, usable, verifiable, and repeatable models for better managing software processes and projects. This objective implies that an organization will be more profitable as consequence of better management. Financial events, such as bailouts, high unemployment rates, foreclosures, etc. have received extensive news coverage since Fall, 2008. Many professionals are concerned about their job status and their retirement accounts. From the context of the Software Engineering community, one question arises: *To what extent can the skills and knowledge attained in Software Engineering Data Mining apply towards Financial Data Mining?*


A reader may be motivated to explore both types of data mining due to the potential rewards. Furthermore, by studying both domains makes it possible to determine the financial impact of

This website uses cookies

We occasionally run membership recruitment campaigns on social media channels and use cookies to track post-clicks. We also share information about your use of our site with our social media, advertising and analytics partners who may combine it with other information that you've provided to them or that they've collected from your use of their services. Use the check boxes below to choose the types of cookies you consent to have stored on your device.

1. S. Achelis, S., *Technical Analysis from A-Z*, McGraw Hill Professional, 2000, Pp. 1--380. 

2. F. Akiyama, "An Example of Software System Debugging," *Information Processing*, vol. 71, pp. 353--379, 1971. 

3. A. J., Albrecht, "Measuring Application Development Productivity," Proceedings of the Joint SHARE, GUIDE, and IBM Application Development Symposium, Monterey, California, October 14--17, IBM Corporation, 1979, pp. 83--92. 

Show All References

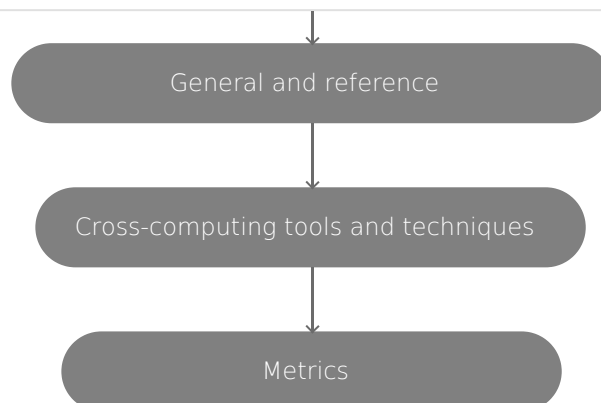
Cited By

View all 



Index Terms

From software engineer to day trader in 3 easy steps: a comparison of software engineering (SE) data mining with financial data mining



Recommendations

With software analytics, software practitioners explore and analyze data to obtain insightful, actionable information for tasks regarding software development, systems, and users. The StackMine project produced a software analytics system for...

[Read More](#)

Research on the application of data mining technology in software engineering

Abstract

The role of data mining in software engineering is obvious, but there is a lack of mining depth. In the past, engineering layout

[Read More](#)

Comments

Login options

Check if you have access through your login credentials or your institution to get full access on this article.

Sign in

Full Access

Get this Publication

Published in



PROMISE '09: Proceedings of the 5th International Conference on Predictor Models in Software Engineering

May 2009 | 268 pages

ISBN: 9781605586342

DOI: 10.1145/1540438

Conference Chair:  [Tom Ostrand](#)

Copyright © 2009 ACM

Permission to make digital or hard copies of all or part of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyrights for components of this work owned by others than ACM must be honored. Abstracting with credit is permitted. To copy otherwise, or republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee. Request permissions from Permissions@acm.org

Publisher

Association for Computing Machinery
New York, NY, United States

Publication History

Published: 18 May 2009

Permissions

Request permissions about this article.

[Request Permissions](#)

Check for updates



Article Metrics



[View Citations](#)

Downloads (Last 12 months)	3
Downloads (Last 6 weeks)	0

Other Metrics


View Author Metrics


PDF Format


View or Download as a PDF file.






1. S. Achelis, S., Technical Analysis from A-Z, McGraw Hill Professional, 2000, Pp. 1--380. 


2. F. Akiyama, "An Example of Software System Debugging," *Information Processing*, vol. 71, pp. 353--379, 1971. 



3. A. J., Albrecht, "Measuring Application Development Productivity," Proceedings of the Joint SHARE, GUIDE, and IBM Application Development Symposium, Monterey, California, October 14--17, IBM Corporation, 1979, pp. 83--92. 



4. Ashkon Technology, 2004, Information available at: www.ashkon.com 


Barry Boehm, et al. *Software cost estimation with COCOMO II* (with CD-ROM). Englewood Cliffs, NJ:Prentice-Hall, 2000.  | 

6. Boetticher, G., Menzies, T., and T. Ostrand, PROMISE Repository of empirical software engineering data <http://promisedata.org/repository>, West Virginia University, Department of Computer Science, 2007 

7. Chenoweth, T., Obradovic, Z. and S. Lee, "Embedding Technical Analysis into Neural Network Based Trading Systems," *Applied Artificial Intelligence*, vol 10, no. 6., 1996, Pp. 523--541. 

8. Compton, T., and C. Withrow, "Prediction and Control of Ada Software Defects," *J. Systems and Software*, vol. 12, pp. 199--207, 1990.  | 

9. Eugene F. Fama, "Random Walks in Stock Market Prices," *Financial Analysts Journal*, Sept./Oct. 1965.  | 

10. Frick, et al., Genetic-Based Trading Rules - A New Tool to Beat the Market With -- First Empirical Results, in *Aktuarielle Ansätze für Finanz-Risiken*, Proceedings of 6th International AFIR Colloquium, Nürnberg, 1.-3. October 1996, (Editor Pete Albrecht) Verlag Versicherungswirtschaft e.V. Karlsruhe, 


Figures

Other

None

■ *Share this Publication link*

<https://dl.acm.org/doi/abs/10.1145/1540438.1540458>

 Copy Link

■ *Share on Social Media*



Categories

[Journals](#)
[Magazines](#)
[Books](#)
[Proceedings](#)
[SIGs](#)
[Conferences](#)
[Collections](#)
[People](#)







About

[About ACM Digital Library](#)
[ACM Digital Library Board](#)
[Subscription Information](#)
[Author Guidelines](#)
[Using ACM Digital Library](#)
[All Holdings within the ACM Digital Library](#)
[ACM Computing Classification System](#)
[Digital Library Accessibility](#)

Join

[Join ACM](#)
[Join SIGs](#)
[Subscribe to Publications](#)
[Institutions and Libraries](#)

Connect

 [Contact](#)
 [Facebook](#)
 [X](#)
 [Linkedin](#)
 [Feedback](#)
 [Bug Report](#)

The ACM Digital Library is published by the Association for Computing Machinery. Copyright © 2024 ACM, Inc.

[Terms of Usage](#) | [Privacy Policy](#) | [Code of Ethics](#)