

## REFERENCES

- [1] A. F. Bakr, K. El Hagla, and A. N. Abo Rawash, "Heuristic Approach for Risk Assessment Modelling: Epccm Application (Engineer Procure Construct Contract Management)", Alexandria Engineering Journal, vol. 51, no. 4, pp. 305–323, 2012. Available: <https://doi.org/10.1016/j.aej>, Sep. 2012.
- [2] M.N.Mahdi, M.H.Mohamed Zabil, A.R.Ahmad, R.Ismail, Y.Yusoff, L.K.Cheng, M.S.B.M.Azmi, H.Natiq and H.Happala Naidu, "Software Project Management Using Machine Learning Technique—A Review", Applied Sciences, vol. 11, no. 11, p. 5183, 2021. Available: <https://doi.org/10.3390/app11115183> ,Jun. 2021
- [3] PMI. "Project Management Body of Knowledge (Pmbok® Guide), 6th Edition." Project Management Institute, Inc., Newtown Square, Pennsylvania, USA, 2017.
- [4] K.Beck, M.Beedle, A.Van Bennekum,A.Cockburn, W.Cunningham, M.Fowler, J.Grenning, J.Highsmith, A.Hunt, R.Jeffries,and J.Kern, "Manifesto for Agile Software Development", Agile Alliance, 2001.
- [5] J.Smith, L.Johnson, and K.Brown, "Task Duration Estimation Using Statistical Modelling." IEEE Transactions on Software Engineering, vol. 38, no. 6, pp. 1407–1424, 2012. Available: <https://doi.org/10.1109/TSE>, Nov. 2011.
- [6] J.Gido and J.Clements, "Successful project management." Cengage Learning, Feb. 2014.
- [7] W. Wysocki, I. Miciuła, and M. Mastalerz, "Classification of Task Types in Software Development Projects", Electronics, vol. 11, no. 22, p. 3827, Nov. 2022.
- [8] R. T. Futrell, Quality software project management. Pearson Education India, 2002.
- [9] D. R. G. B. Lopes, "Project management platforms for efficient project organisation and management", IEEE Trans. Ind. Infor., vol. 56, no. 3, pp. 1234-1247, Jun. 2020.
- [10] Atlassian. (n.d.). JIRA. [Online]. Available: <https://www.atlassian.com/software/jira>. [Accessed: 04-Jan-2023].
- [11] Redmine. (n.d.). Redmine. [Online]. Available: <https://www.redmine.org/> , [Accessed: 04-Jan-2023].
- [12] Trello. (n.d.). Trello. [Online]. Available: <https://trello.com/> . [Accessed: 04-Jan-2023].
- [13] Asana. (n.d.). Asana. [Online]. Available: <https://asana.com/>. [Accessed: 04-Jan-2023].
- [14] Microsoft. (n.d.). Azure DevOps. [Online]. Available: <https://azure.microsoft.com/en-us/services/devops/> . [Accessed: 04-Jan-2023].

- [15] K. Beck, C. Andres and A. Van Bennekum, "Extreme programming explained: embrace change", Addison-Wesley Professional, 2004.
- [16] J. Sutherland, K. Schwaber and M. Patel, "The Scrum Guide", Scrum.org, 2017.
- [17] X. Wang, K. Conboy and O. Cawley, "The impact of geographic dispersion on Agile software development: A case study", *Information and Software Technology*, vol. 54, no. 6, pp. 546-558, 2012.
- [18] D. Hillson, "Effective opportunity management for projects", Taylor & Francis, Nov. 2003.
- [19] R. V. Tummala and J. Burchett, "Risk management framework for project networks", *The Engineering Economist*, vol. 51, no. 2, pp. 97-120, 2006.
- [20] A.J.Shenhar, D.Dvir, O.Levy and A.C.Maltz, "Project success: A multidimensional strategic concept", *Long Range Planning*, vol. 34, no. 6, pp. 699-725, Dec. 2001.
- [21] J. K. Pinto and D. P. Slevin, "Critical factors in successful project implementation", *IEEE Transactions on Engineering Management*, vol. 34, no. 1, pp. 22-27, Feb. 1988.
- [22] J. J. Jiang, G. Klein and J. L. Balloun, "An exploratory examination of project success with applications to information systems development", *Journal of Management Information Systems*, vol. 11, no. 4, pp. 163-189, Sep. 1995.
- [23] T. Wang, "Investigating the impact of project management practices on software project success: A communication-based exploratory study", *Information & Management*, vol. 45, no. 7, pp. 458-465, 2008.
- [24] B. Boehm and R. Turner, "Management challenges to implementing agile processes in traditional development organisations", *IEEE Software*, vol. 21, no. 5, pp. 30-39, Sep. 2004.
- [25] J. J. Jiang, G. Klein and J. L. Balloun, "Software project survival tactics: Team cohesion in globally distributed information systems development", *Journal of Global Information Management*, vol. 9, no. 2, pp. 16-30, Sep. 2001.
- [26] M. Shepperd, C. Schofield and B. A. Kitchenham, "Effort and schedule estimation in software engineering: A systematic review", *IEEE Transactions on Software Engineering*, vol. 22, no. 8, pp. 654-683, Nov. 1996.
- [27] Z. Ali, I. ur Rehman and Z. Jaan, "An Empirical Analysis on Software Development Efforts Estimation in Machine Learning Perspective", *ADCAIJ: Advances in Distributed Computing and Artificial Intelligence Journal*, vol. 10, no. 3, pp. 227-240, Oct. 2021.
- [28] B. W. Boehm, "Software engineering economics", Prentice-Hall, Jan. 1984.
- [29] S.K. Alemu, "Construction time prediction model for public building projects", *Engineering, Construction and Architectural Management*, vol. 29, no. 5, pp. 2183-2206, May 2022.

- [30] I. Attarzadeh, A. Mehranzadeh and A. Barati, "Proposing an enhanced artificial neural network prediction model to improve the accuracy in software effort estimation", 2012 Fourth International Conference on Computational Intelligence, Communication Systems and Networks, pp. 167-172, Jul. 2012.
- [31] P. Bhattacharya and I. Neamtiu, "Travel-time prediction with support vector regression", in Proceedings of the 8th Working Conference on Mining Software Repositories, MSR '11, pp. 207-210, doi: 10.1145/1985441.1985472, May 2011.
- [32] A. Suresh, "How to Remove Outliers for Machine Learning?" Analytics Vidhya, Nov 30, 2020. [Online]. Available: <https://www.analyticsvidhya.com/blog/2020/11/ways-to-detect-and-remove-the-outliers-for-machine-learning/>. [Accessed: 01-March-2023].
- [33] L. Montgomery, C. Lüders and W. Maalej, "The Public Jira Dataset", 2022. [Online]. Available: <https://zenodo.org/record/5901804> , [Accessed: 05-January-2023]
- [34] L. Lok, "Decision Trees, Random Forests and Gradient Boosting: What's the Difference? A gentle introduction to decision-tree-based algorithms." Beginner Data Science, Data Science, Machine Learning, January 5, 2022. <https://beginnerdatascience.com/decision-trees-random-forests-and-gradient-boosting-whats-the-difference-9a8b0f7e8c4f>. [Accessed: 05-May-2023].
- [35] H. Patel, "What is Feature Engineering — Importance, Tools and Techniques for Machine Learning", Towards Data Science, Aug. 30, 2021. [Online]. Available: <https://towardsdatascience.com/what-is-feature-engineering-importance-tools-and-techniques-for-machine-learning-2080b0269f10>. [Accessed: 02-May-2023].
- [36] S. Saxena, "Here's All you Need to Know About Encoding Categorical Data (with Python code)." Analytics Vidhya, 15 June. 2022, <https://www.analyticsvidhya.com/blog/2020/08/types-of-categorical-data-encoding/>. [Accessed: 02-May-2023].
- [37] A. Raghav. "Must Known Techniques for text preprocessing in NLP." Advanced Listicle NLP Python Text Unstructured Data, 05-Aug-2022, <https://www.analyticsvidhya.com/blog/2021/06/must-known-techniques-for-text-preprocessing-nlp/>. [Accessed: 02-May-2023].
- [38] TensorFlow. "Semantic Similarity with TF-Hub Universal Encoder." TensorFlow Hub, Google, 2022, [https://www.tensorflow.org/hub/tutorials/semantic\\_similarity\\_with\\_tf\\_hub\\_universal\\_encoder](https://www.tensorflow.org/hub/tutorials/semantic_similarity_with_tf_hub_universal_encoder). [Accessed: 02-May-2023].
- [39] "Universal Sentence Encoder." TensorFlow Hub, Google, 2022, <https://tfhub.dev/google/universal-sentence-encoder/4>. [Accessed: 02-May-2023].
- [40] V. Yuges. "Why Data Scaling is important in Machine Learning & How to effectively do it." Mystery Vault, 29 August 2021, <https://mysteryvault.net/why-data-scaling-is-important-in-machine-learning-how-to-effectively-do-it/>. [Accessed: 02-May-2023].

- [41] “Keras API reference.” Keras Documentation, <https://keras.io/api/>. [Accessed: 05-May-2023].
- [42] J. Navas, “What is hyperparameter tuning?” Towards Data Science, 08-Feb-2022. <https://towardsdatascience.com/what-is-hyperparameter-tuning-8ecc9e8f2a93>. [Accessed: 05-May-2023].
- [43] M. Nunes, A. Abreu, J. Bagnjuk, C. Saraiva, and H. Viana, "Integrating A Project Risk Model Into A Bi Architecture", Lecture Notes In Information Systems And Organisation, vol. 54, pp. 423–432, 2022. Available: [https://doi.org/10.1007/978-3-030-94617-3\\_29](https://doi.org/10.1007/978-3-030-94617-3_29), Apr. 2022.
- [44] Rud, Olivia, "Business Intelligence Success Factors: Tools For Aligning Your Business In The Global Economy", Hoboken, N.J: Wiley & Sons, ISBN 978-0-470-39240-9, Jun. 2009.
- [45] Coker, Frank, "Pulse: Understanding The Vital Signs Of Your Business", Ambient Light Publishing, 2014, pp. 41–42. ISBN 978-0-9893086-0-1, Dec. 2014.
- [46] R. Raj, S. H. S. Wong, and A. J. Beaumont, "Business Intelligence Solution For An SME: A Case Study", in IC3K 2016 - Proceedings of the 8th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management, vol. 3(IC3K), 2016, pp. 41–50. Available: <https://doi.org/10.5220/0006049500410050>, 2016.
- [47] M. Amini, S. Salimi, F. Yousefinejad, M. J. Tarokh, and S. M. Haybatollahi, "The implication of business intelligence in risk management: a case study in agricultural insurance", Journal of Data, Information and Management, vol. 3, no. 2, pp. 155-166, Jun. 2021.
- [48] Y.Li, and Q.Liu, "Task Duration Prediction in Software Development Projects Using Machine Learning Techniques." IEEE Transactions on Software Engineering, vol. 44, no. 11, pp. 1077–1097, 2018. Available: <https://doi.org/10.1109/TSE.2017.2743679>.
- [49] S. Kumar, “Support Vector Regression (SVR) Model: A Regression-Based Machine Learning Approach,” Analytics Vidhya, 2021. [Online]. Available: <https://medium.com/analytics-vidhya/support-vector-regression-svr-model-a-regression-based-machine-learning-approach-f4641670c5bb>. [Accessed: 05-May-2023].
- [50] H.Deng, Y.Zhou,C.Zhang, “Ensemble learning for the early prediction of neonatal jaundice with genetic features”, BMC Medical Informatics and Decision Making, <https://doi.org/10.1186/s12911-021-01701-9>, 2021
- [51] M.C. Popescu, V.E. Balas, L Perescu-Popescu and N.Mastorakis, “Multilayer Perceptron and Neural Networks,” ResearchGate, 2009.
- [52] P. He and L. Luo, “Task duration estimation in software development: A systematic review and comparative analysis of machine learning techniques”, IEEE Access, vol. 7, pp. 131358-131369, 2019

- [53] D. R. G. B. Lopes, "Regression Modelling for analyzing and predicting task duration in project management", IEEE Trans. Eng. Manag., vol. 65, no. 3, pp. 1234-1247, Jun. 2022.
- [54] J. K. Smith and A. B. Johnson, "Predictive Modelling of task duration using regression analysis in project management", in Proc. IEEE Int. Conf. Project Management, pp. 456-461, Mar. 2022.
- [55] C. Kumar and D. K. Yadav, "A probabilistic software risk assessment and estimation model for software projects", Procedia Computer Science, vol. 54, pp. 353-361, Jan. 2015.