

Use of Machine Learning for HealthCare Sector

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ABSTRACT

Data analytics advancements have become a disruptive force in a variety of disciplines; their effect has changed the dynamics of previously technology-supported fields, transforming them into technology-dependent ones. Healthcare is one such sector where this influence is still in its early stages. Due to the data-hungry nature of machine learning algorithms, trends in artificial intelligence have only reached their full potential when backed up by large datasets. Our article examines the implications of recent advancements in data analytics and how they may be used to the healthcare industry, with a focus on predictive and visualisation applications.

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References

- [1] William G. Baxt, Use of an Artificial Neural Network for the Diagnosis of Myocardial Infarction.
- [2] Beatriz A. Garro, Humberto Sossa and Roberto A. Vázquez, Back-Propagation vs Particle Swarm Optimization Algorithm: which Algorithm is better to adjust the Synaptic Weights of a Feed-Forward ANN?.
- [3] "Prediction and cross validation of neural networks versus logistic regression: using hepatic disorders as an example" in American journal of Epidermology.
- [4] Adit Deshpande, A Beginner's Guide To Understanding Convolutional Neural Networks.
- [5] Jiang Bian, Laura E Barnes, Guanling Chen and Haoyi Xiong, Early Detection of Diseases Using Electronic Health Records Data and Covariance-regularized Linear Discriminantal Analysis.
- [6] LI Patel and RK Goyal, Applications of artificial neural networks in medical science.
- [7] "Pima Indians Diabetes Data Set" in by National Institute of Diabetes and Digestive and Kidney Diseases., [online] Available: <https://archive.ics.uci.edu/ml/datasets/pima+indians+diabetes>.
- [1] Albarran AB (2002) Media Economics: Understanding Markets, Industries and Concepts, 2nd ed. Iowa: Iowa State Press.
- [8] Albarran AB (2010) The Media Economy. New York: Routledge.
- [9] Arrese A and Albarran AB (2003) Time and media markets: Summary and research agenda. In: Albarran AB and Arrese A (eds) Time and Media Markets. London: Lawrence Erlbaum Associates Publishers, pp. 161–171.

- [10] Becker G (1965) A theory of the allocation of time. *Economic Journal* 75(3): 493–517.
- [11] Boczkowski PJ (2010a) The consumption of online news at work. *Information, Communication and Society* 13(4): 470–484.
- [12] Boczkowski PJ (2010b) *News at Work: Imitation in an Age of Information Abundance*. Chicago: The University of Chicago Press.
- [13] Chan T and Goldthorpe HJ (2007) Social status and newspaper readership. *American Journal of Sociology* 112(4): 1095–1134.
- [14] Chyi IH (2006) Re-examining the market relation between online and print newspaper: The case of Hong Kong. In: Li X (ed.) *Internet Newspapers: The Making of a Mainstream Medium*. New Jersey: Lawrence Erlbaum Associates Publishers, pp. 193–208.
- [15] Chyi IH and Yang MJ (2009) Is online news an inferior good? Examining the economic nature of online news among users. *Journalism and Mass Communication Quarterly* 86(3): 594–612.
- [16] Converse PE (1968) Time budgets. In: Sills D (ed.) *International Encyclopedia of the Social Sciences*. New York: Macmillan, pp. 42–47.
- [17] Dayan D and Katz E (1992) *Media Events: The Live Broadcasting of History*. Cambridge, MA: Harvard University Press.
- [18] De Grazia S (1962) *Of Time, Work, and Leisure*. New York: Twentieth Century Fund.
- [19] Dimmick J, Chen Y and Li Z (2004) Competition between the Internet and traditional news media: The gratification-opportunities niche dimension. *Journal of Media Economics* 17(1): 19–33.
- [20] Dimmick J and Albarran AB (1994) The role of gratification opportunities in determining media preference. *Mass Communication Review* 21: 223–235.
- [21] Dillman DA (2007) *Mail and Internet Surveys: The Tailored Design Method*, 2nd ed. Hoboken, NJ: Wiley.