BUSINESS INTELLIGENCE AND ANALYTICS: A SURVEY

J. SOONU ARAVINDAN¹, M. BLESSY DOE², M. VENNILA³

¹PH.D. RESEARCH SCHOLAR,
SCHOOL OF COMPUTER SCIENCE, BHARATHIAR UNIVERSITY, COIMBATORE, INDIA.

²PH.D. RESEARCH SCHOLAR,
SCHOOL OF MANAGEMENT, BHARATHIAR UNIVERSITY, COIMBATORE, INDIA.

³PH.D. RESEARCH SCHOLAR,
SCHOOL OF MANAGEMENT, BHARATHIAR UNIVERSITY, COIMBATORE, INDIA.

ABSTRACT

As organizations initiate to use Business Intelligence to improve decision making, cut costs and identify new business opportunities, Business intelligence and analytics (BI&A) has emerged as an important area of study for both practitioners and researchers, reflecting the importance and impact of data-related problems to be solved in contemporary business organizations. This paper explores the evolution, applications, and emerging research areas of BI&A. BI&A 1.0, BI&A 2.0, and BI&A 3.0 are defined and described in terms of their key characteristics and capabilities. The study travels around the current research in BI&A and analyzes the challenges and opportunities associated with BI&A research. The paper also report a review and study of critical BI&A publications, researchers, and research topics that were based on past decades of related academic and industry publications. As a final point, those articles that were surveyed for this study pave way for the forthcoming researches by introducing and characterizing the emerging work in terms of the proposed BI&A research outline.

KEYWORDS: Business intelligence and analytics, big data analytics, text analytics, web analytics, network analytics, mobile analytics.

REFERENCES


