Scope Database Link: https://sdbindex.com/documents/00000005/00001-88415.pdf
Article Link: https://iaeme.com/MasterAdmin/Journal_uploads/IJCET/VOLUME_15_ISSUE_2/IJCET_15_02_007.pdf

Manuscript ID : 00001-88415

Source ID : 00000005

International Journal of Computer Engineering and Technology

Volume 15, Issue 2, March-April 2024, Pages 45-55, Page Count - 11

Scope Database Indexed www.sdbindex.com

NATURAL LANGUAGE GENERATION AND ARTIFICIAL INTELLIGENCE IN FINANCIAL REPORTING: TRANSFORMING FINANCIAL DATA INTO STRATEGIC INSIGHTS FOR EXECUTIVE LEADERSHIP

Sandeep Kumar [1] Manoj Kumar Vandanapu [2]

[1] Director SAP Enterprise Solutions and Analytics, Farmers Insurance Group, United States.
[2] Independent Researcher, United States.

Abstract

This article explores the innovative integration of Natural Language Generation (NLG) and Artificial Intelligence (AI) in financial reporting, spotlighting their transformative impact on turning financial data into strategic insights for executive leadership through automatic commentary generation. At the intersection of AI advancements and financial analysis, NLG emerges as a pivotal technology, enabling the automated transformation of complex financial datasets into narrative or commentary reports that are coherent, insightful, and accessible to decision-makers. The discussion extends to the mechanisms underlying NLG`s functionality in financial reporting ranging from data interpretation and language processing to commentary generation and customization thereby enhancing report efficiency, accuracy, and accessibility. Through detailed exploration, this article articulates NLG`s contributions to financial reporting commentary, such as improved efficiency, accuracy, scalability, and the personalized delivery of financial insights. It also addresses the challenges inherent in NLG application, including technical and ethical considerations, and the limitations of current technologies in capturing financial nuances. Looking forward, the article envisions a future where ongoing advancements in AI and machine learning further refine NLG`s capabilities, offering even richer, more nuanced financial insights to support strategic decision-making at the highest levels of business leadership.

Author Keywords

Artificial Intelligence, Machine Learning, SAP Analytics, Financial Reporting, Data Governance, SAP ERP, SAP RISE, Cloud Offering

ISSN Print: 0976-6367
ISSN Online: 0976-6375
Source Type: Journals
Document Type: Journal Article
Publication Language: English
DOI:
Abbreviated Journal Title: IJCET
Access Type: Open Access
Publisher Name: IAEME Publication
Resource Licence: CC BY-NC
Major Subject: Physical Sciences
Subject Area classification: Computer Science
Subject area: Artificial Intelligence
Source: SCOPEDATABASE

Reference