

Outline Submission for Literature Review: The Use of Dashboards in Current Business Practice in a Secondary School

1. Introduction and Purpose

This literature review will assess the role of dashboards in secondary schools, examining their utility in data-driven decision-making, student performance monitoring, and resource management. The purpose is to provide a comprehensive overview of how dashboards enhance operational efficiency and support educational goals, as supported by recent research (Ritter, 2020; Anderson & Dexter, 2020).

2. Key Areas of Exploration

- **Current Trends in Dashboard Use:** I will review the adoption of dashboards in schools and their ability to consolidate data across domains such as attendance, academic records, and behaviour, offering a unified, real-time interface for educators and administrators (Davies & Bayne, 2019). This section will also highlight how dashboards contribute to “learning analytics,” which supports data-based teaching practices (Siemens, 2013).
- **Methodological Approaches:** This section will evaluate the methodologies used in dashboard studies, including qualitative approaches (e.g., interviews and focus groups) to capture user experiences, as discussed by Brown et al. (2021), and quantitative methods, such as tracking attendance and academic performance metrics to determine dashboard impact (White & Roberts, 2022).
- **Comparative Analysis of Perspectives:** Research reveals differing views on dashboard utility. Many studies suggest that dashboards increase transparency and allow for timely student interventions (Garcia & Thomas, 2021). However, some literature warns of issues like data overload and

dependency on data quality for effective decision-making (Nguyen et al., 2021). These perspectives will be compared to determine the conditions under which dashboards are most beneficial.

- **Research Gaps and Future Directions:** Although dashboards are widely adopted, research gaps remain. For instance, there is limited exploration of long-term dashboard impact on student outcomes and the need for customization specific to secondary education (Wayman et al., 2012). Future research could also address ethical concerns around data privacy, ensuring dashboards are used responsibly in schools (Selwyn, 2020).

3. Conclusion and Implications for Future Research

The literature review will conclude by summarizing key findings and underscoring the need for ongoing research on dashboard functionality tailored for secondary schools. Potential areas for future studies include customizable features, ethical considerations, and an examination of dashboards' sustained educational impact (Floridi, 2016).

References

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