



An Examination into Effective Interactive Dashboard Design Usability and Adaptability in Collegiate Sports - a Journey from Paper Printouts to Online Dashboard Usage



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Abstract

This examination aims to review and compare analytical dashboards used by the collegiate coaching staff and identify similarities and differences in their design, format, scope, and adaptability. We reviewed design features of dashboards used in 5 different sports on coaching staff with high expectations to no expectations. The results will show heterogeneity in format and scope of outcomes in dashboards. Generally, sports varied in their use of features, style of color coding, and data usage for displayed metrics. For example, the number of features per dashboard ranged from 4 to 10 from 2-5 data sources ranging from open source to private APIs. Given the considerable variation in dashboard design and data usage, there is a need for future work to assess the fundamental key performance features to scope the best outcomes. Finally, to identify specific elements that contribute to adaptability and usability to help customize dashboards to meet the expectations of different sports and coaching staff.

A block containing a list

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- **Libero tincidunt** a duis congue vitae
- **Dui ac pretium** morbi justo neque, ullamcorper

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A highlighted block

This block catches your eye, so **important stuff** should probably go here.

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- **In euismod erat metus** non ex. Vestibulum luctus augue in mi condimentum, at sollicitudin lorem viverra.
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A block containing an enumerated list

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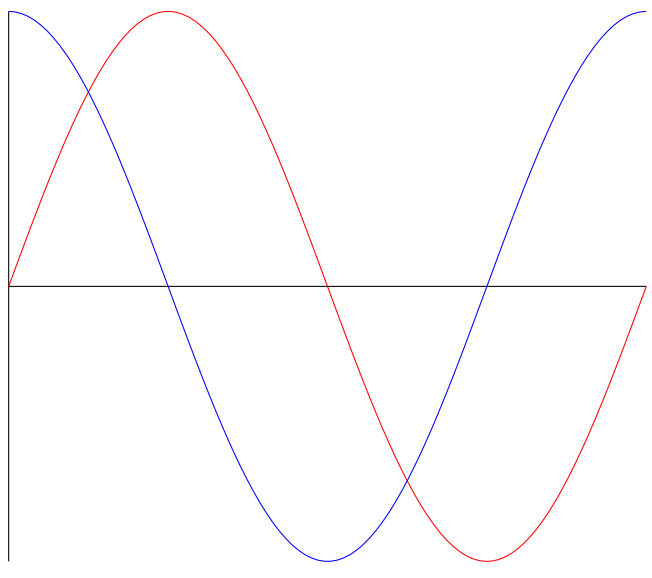


Figure 1. Another figure caption.

Nam cursus consequat egestas

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A highlighted block containing some math

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A heading inside a block

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Another heading inside a block

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First column	Second column	Third column	Fourth
Foo	13.37	384,394	α
Bar	2.17	1,392	β
Baz	3.14	83,742	δ
Qux	7.59	974	γ

Table 1. A table caption.

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References

[1] Claude E. Shannon.
A mathematical theory of communication.