

## EdOptimize—An Open-Source K-12 Learning Analytics Platform

Shah, Tirth; Patel, Nirmal; Lomas, J.D.; Sharma, Aditya

**Publication date**

2022

**Document Version**

Final published version

**Published in**

Proceedings of the 12th International Conference on Learning Analytics & Knowledge (LAK22)

**Citation (APA)**

Shah, T., Patel, N., Lomas, J. D., & Sharma, A. (2022). EdOptimize—An Open-Source K-12 Learning Analytics Platform. In *Proceedings of the 12th International Conference on Learning Analytics & Knowledge (LAK22)* (pp. 63)

[https://web.archive.org/web/20220527012916id\\_/https://www.zora.uzh.ch/id/eprint/218604/1/LAK22\\_CompanionProceedings.pdf#page=75](https://web.archive.org/web/20220527012916id_/https://www.zora.uzh.ch/id/eprint/218604/1/LAK22_CompanionProceedings.pdf#page=75)

**Important note**

To cite this publication, please use the final published version (if applicable). Please check the document version above.

**Copyright**

Other than for strictly personal use, it is not permitted to download, forward or distribute the text or part of it, without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license such as Creative Commons.

**Takedown policy**

Please contact us and provide details if you believe this document breaches copyrights. We will remove access to the work immediately and investigate your claim.

## EdOptimize – An Open-Source K-12 Learning Analytics Platform

**Tirth Shah**

Playpower Labs

[tirth.shah@playpowerlabs.com](mailto:tirth.shah@playpowerlabs.com)

**Nirmal Patel**

Playpower Labs

[nirmal@playpowerlabs.com](mailto:nirmal@playpowerlabs.com)

**Derek Lomas**

Delft University of Technology

[j.d.lomas@tudelft.nl](mailto:j.d.lomas@tudelft.nl)

**Aditya Sharma**

Playpower Labs

[aditya@playpowerlabs.com](mailto:aditya@playpowerlabs.com)

**ABSTRACT:** Technology aided learning is becoming increasingly popular. In some of the countries, online learning has taken over for traditional classroom-based learning. With this, educational data is being generated in vast amounts. Knowing the potential of this data, many education stakeholders have turned to evidence-based decision making to improve the learning outcomes of the students. EdOptimize platform provides extensive actionable insights for a range of stakeholders through a suite of 3 data dashboards, each one intended for a certain type of stakeholder. We have designed a conceptual model and data architecture that can generalize across many different edtech implementation scenarios. Our source code is available at <https://github.com/PlaypowerLabs/EdOptimize>

**Keywords:** learning analytics, digital learning, dashboards, assessment data, curriculum-analytics, platform-analytics, implementation-analytics

Interactive Demo Link - <https://youtu.be/NYvO3iOg3Kg>