ROI dashboard prototype

Biljana Presnall, VP
Jefferson Institute

ADL Initiative HQ0034-19-C-0027

Aim of the prototype

The Maturing ADL in Multinational Exercises (MADLx) project aims to design and develop a Return on Investment (ROI) analytics dashboard for use in multinational and coalition exercises.

More info about the project, aim and additional resources could be found at: MadIx.org

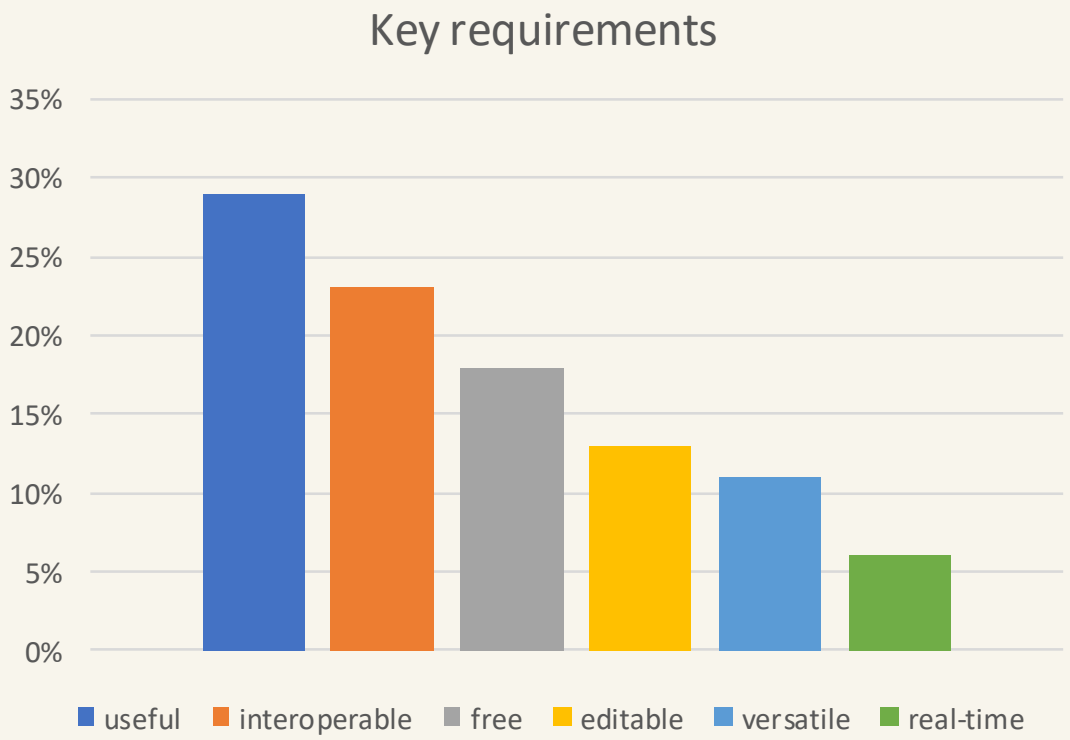
Stakeholders Survey

2 waves of informal and formal surveys: 2019- 2020

We collected:

- data on current community understanding of, experience with, and perceived risks
- opportunities related to learning analytics (particularly as tied to military exercises)
- recommendations for the types of analyses stakeholders would like to see and their suggestions on how to represent those visualizations

Survey Results: Key Requirements for LA



- USEFUL
- VERSATILE
- INTEROPERABLE
- EDITABLE
- FREE
- REAL-TIME

MADLx ROI DASHBOARD

- USEFULNESS: The prototype is tied to multinational exercises, and it directly addresses stakeholder lack of understanding about what learning analytics is and how useful it can be.
- VERSATILITY: The prototype provides multiple user profiles with different levels of access, satisfying the needs of trainers and trainees as well as managers, flag officers, and exercise organizers.
- INTEROPERABILITY: The collection and retrieval of Experience API data (xAPI) and non-xAPI data from a wide variety of systems utilized by stakeholders in mission rehearsals.
- EDITABILITY: Each visual representation can be edited or changed with another type or form, color, or data input.
- FREE: The prototype is fully built on a set of open-source technologies.
- INSTANTANEOUS: Live connections to a Learning Record Store (LRS) and potentially other databases, enabling actionable insights into the learning process in real-time.

ROI Dashboard prototype

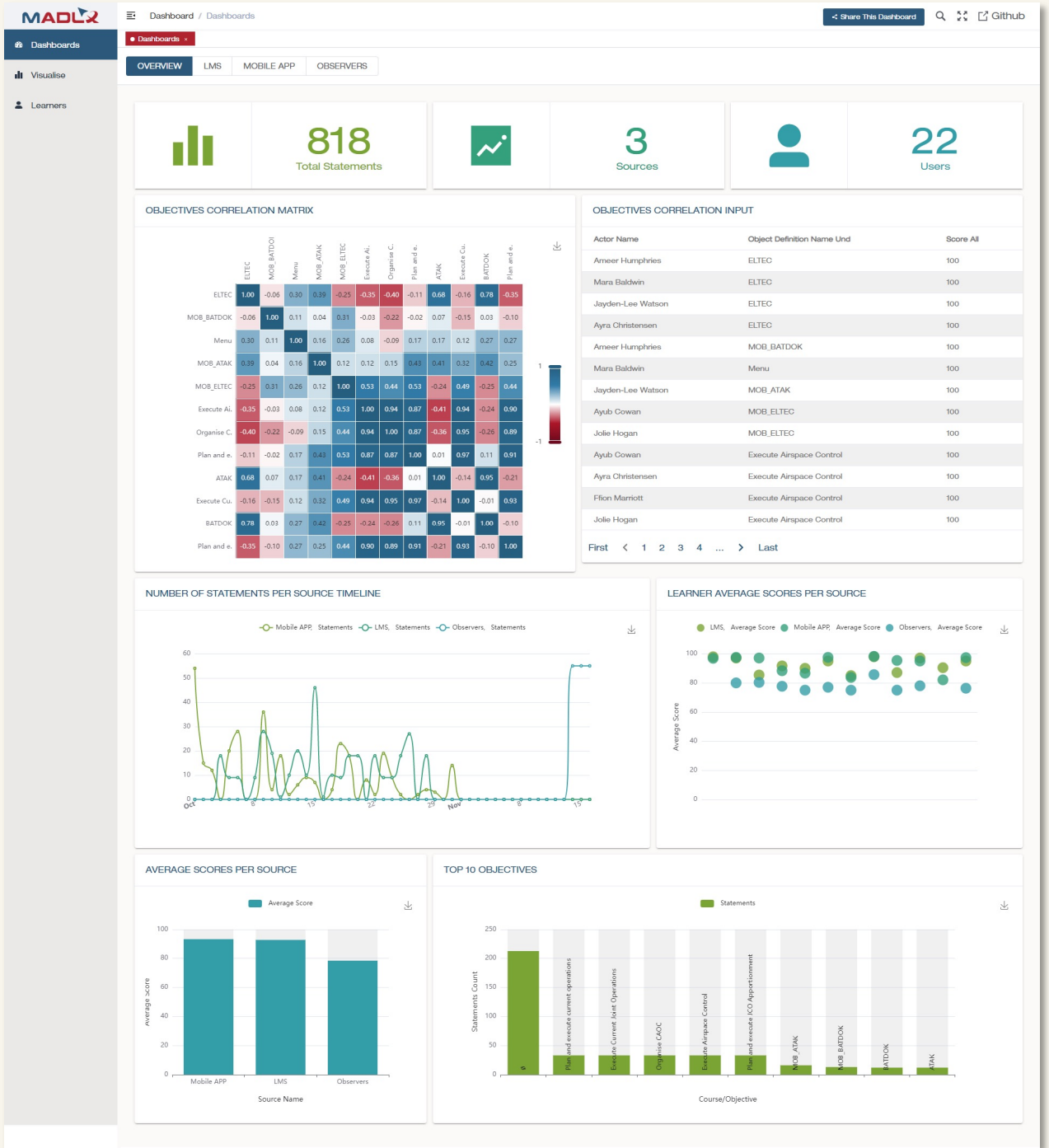
https://demo.madlx.org

Functionalities:

Each user of this demo gets its own ID so this dashboard is actually yours

Explore the default visualizations

Overview page: correlation between variables



Functionalities:

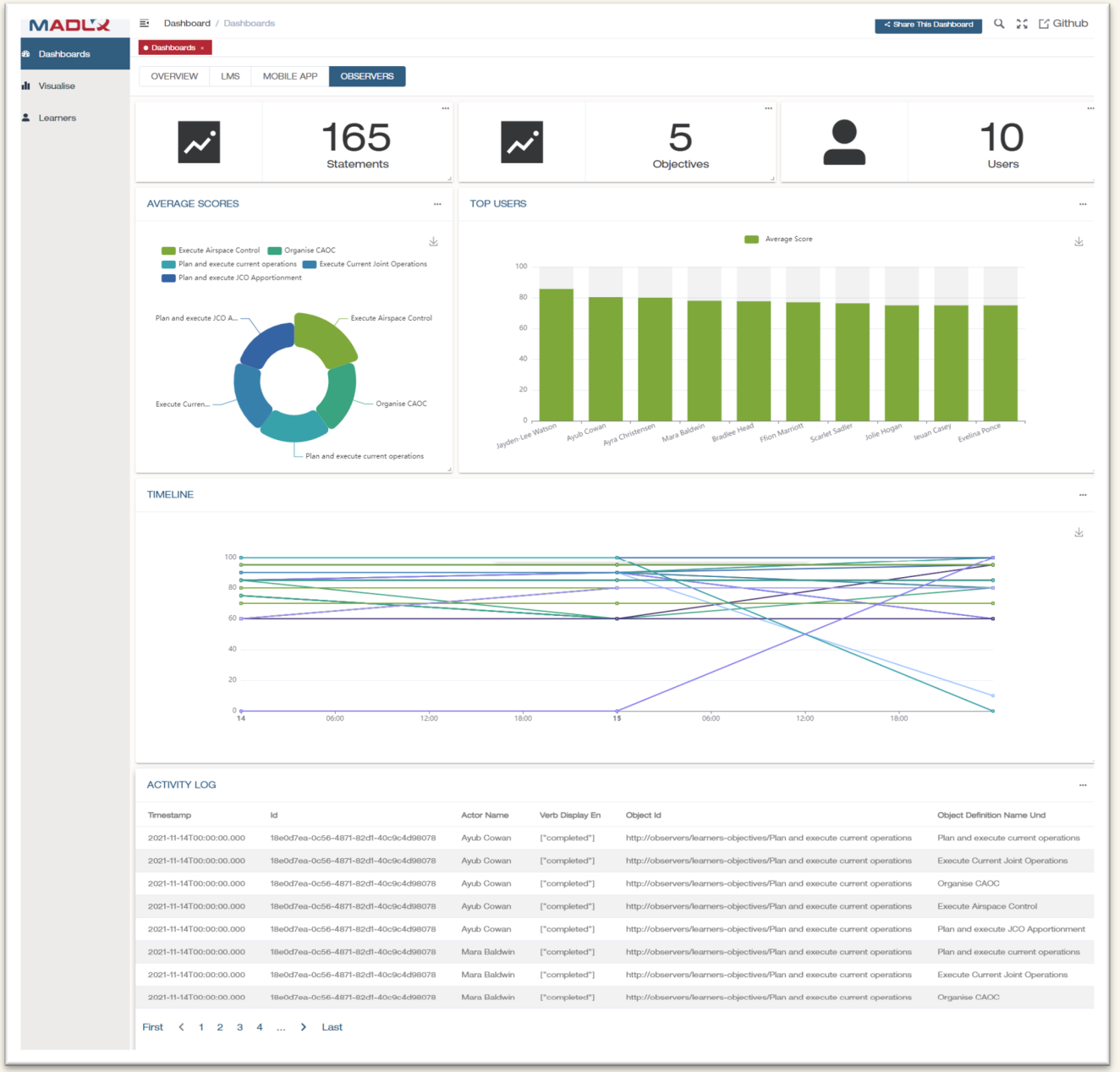
LMS source and
Mobile Learning as examples for any xAPI driven learning source

Over 15 example data visualizations

Functionalities:

Observer data comes in many variations

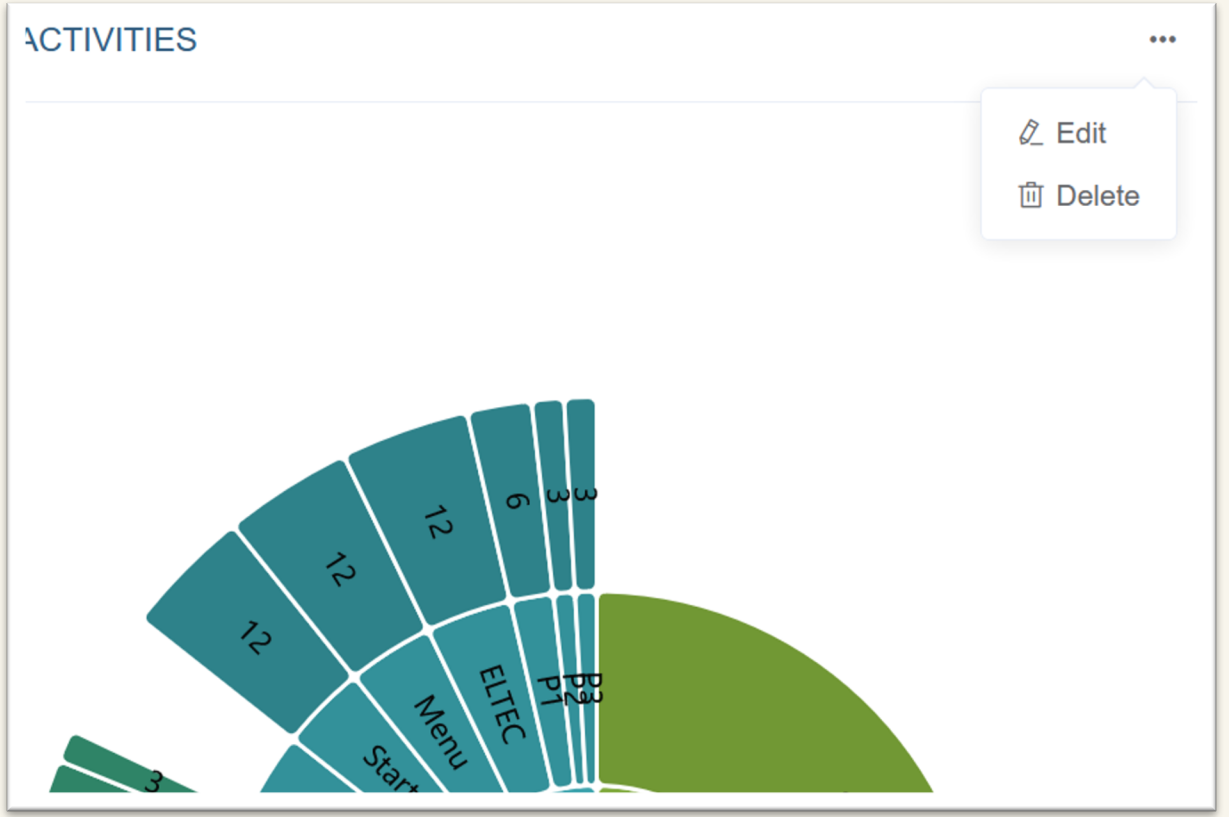
Can utilize any of existing data visualization templates



What you can do:

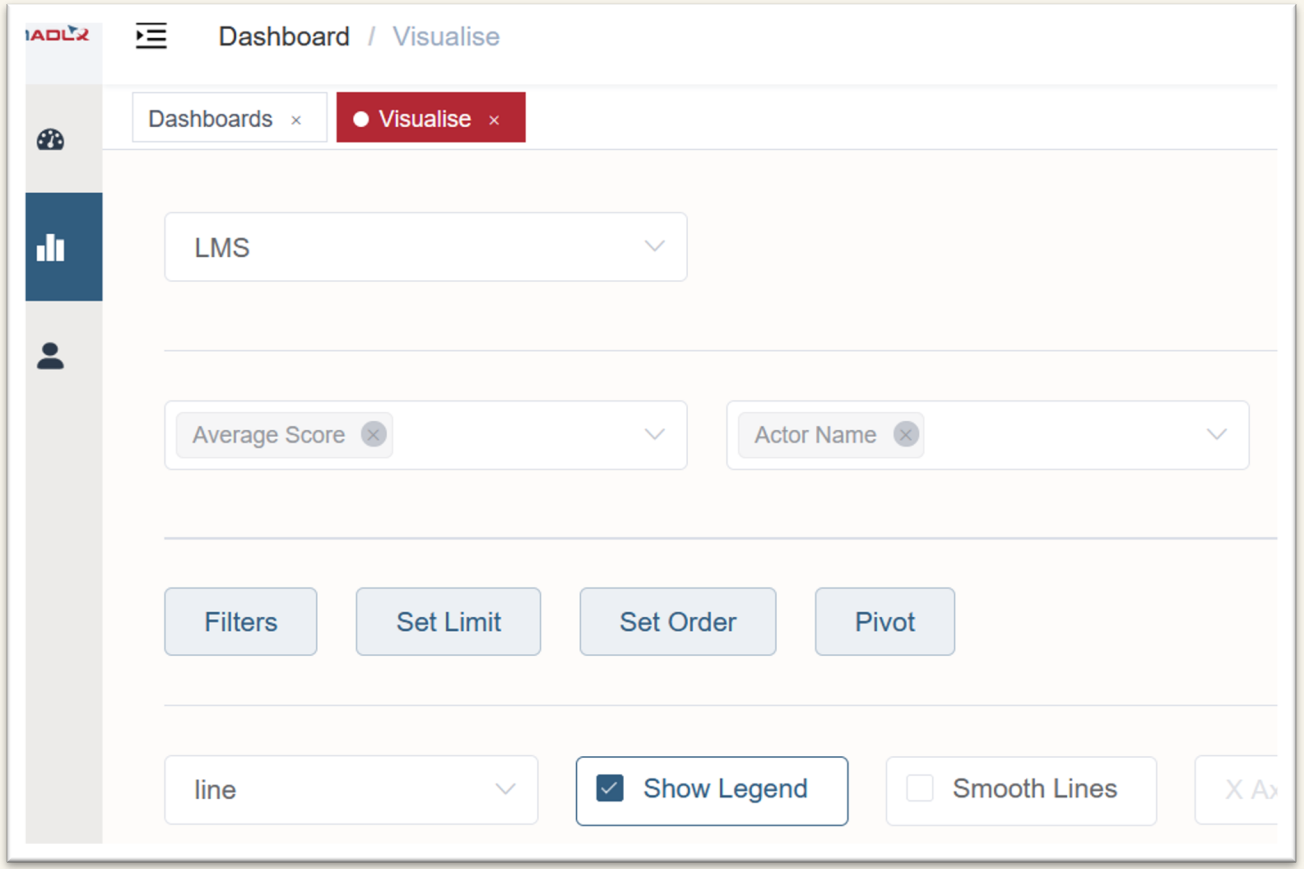
- Edit, rename and relocate visualizations

- Delete existing data visualizations



What you can do:

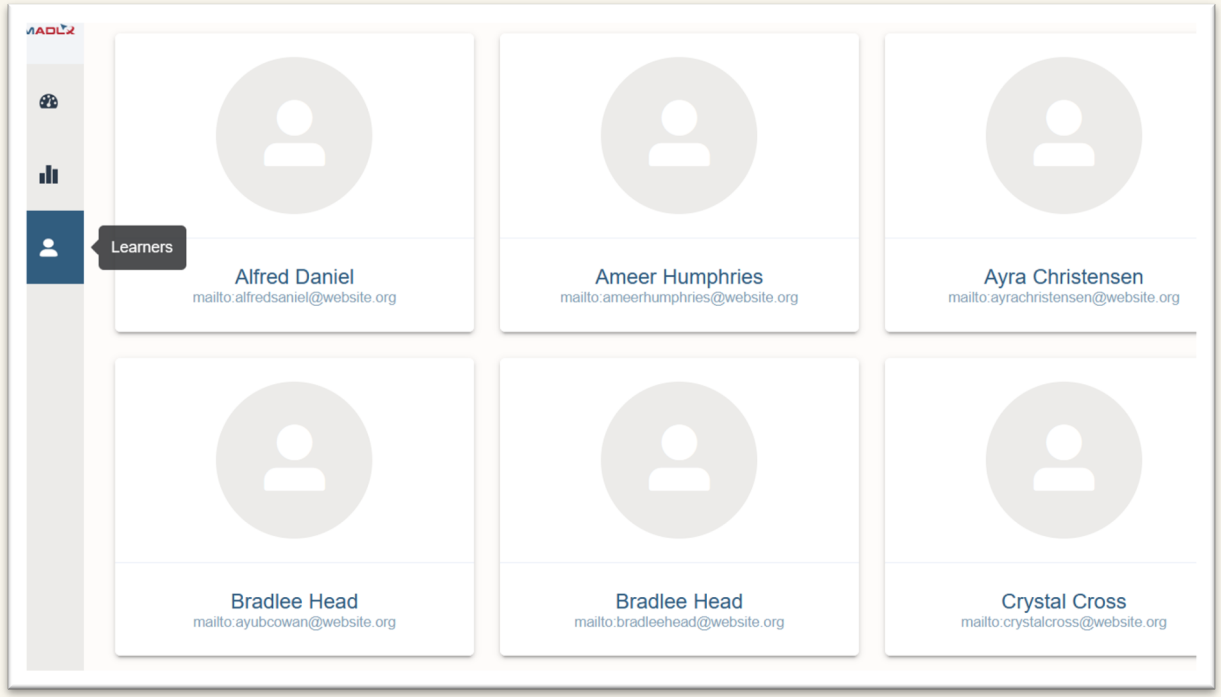
- Create new and add to dashboard

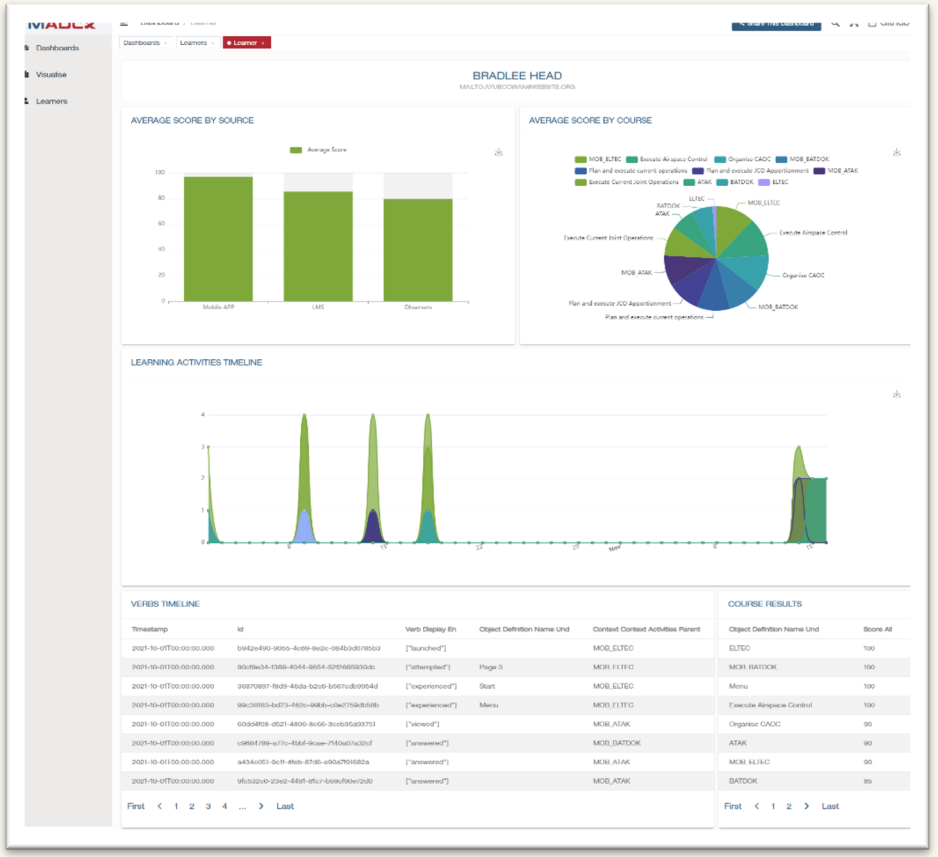


What you can do:

- Explore learners

- Get granular insight into their learning behavior



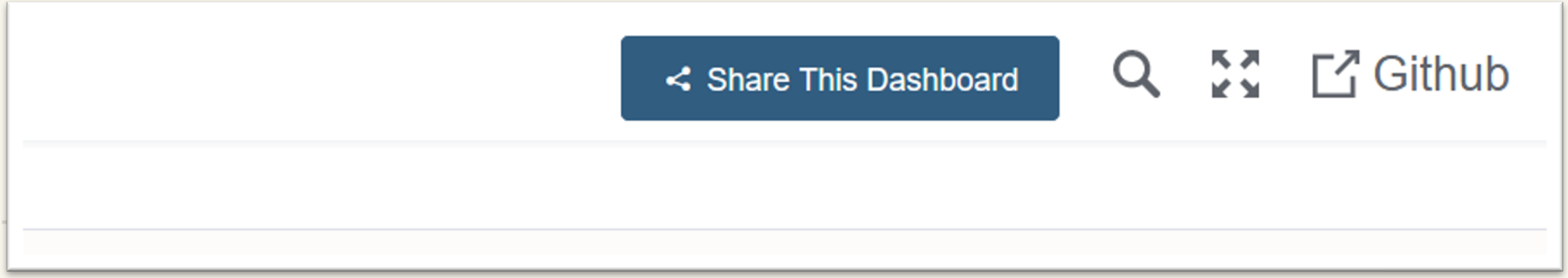


Don’t forget!

- To share your prototype dashboard

OR

- To download each data visualization



OR send us feedback

ROI Dashboard prototype open source can be found here:

https://github.com/Jefferson-Institute/madlx-prototype

You can also:

- Use this prototype to make your own dashboard
- Use this dashboard in your exercise by connecting your own LRS
- Join the MADLx working group and Github community to influence further development

Thank you !

Join our Stakeholders' Working Group

MADLR

Setting foundations to measure ROI