Harnessing the Power of Open-Source Data Packages with Edify

Blue Sky Discussion with Utah Tech University

Meet Your Presenters

Matt Nickodemus, PhD

Executive Director of Institutional Effectiveness
Matt.Nickodemus@utahtech.edu

Jaden Hunt

Navigate360 Project Coordinator
Jaden.Hunt@utahtech.edu

Craig Demke

Data Analyst
Craig.Demke@utahtech.edu

Edify

A Data and Analytics Solution to Empower Strategic Decisions

Bring Your Data Together

Access and Warehousing

*Cloud-native, secure, infinitely scalable **data lake and warehouse** to support critical institutional initiatives*

Build a Culture of Data Confidence

Data Governance

*Higher ed **best practice rules and validations** to ensure a golden record/single source of truth*

Empower Your Team with Insight

Reporting and Analytics

***Self-service, custom, and pre-built analytics** to drive efficiency and support decision-making*

Build Your Team's Capacity

Professional Services Hours

***EAB support** to meet you where you are. Your team's use of Edify can be self-service or partially or fully managed by EAB.*

- Strategy and Culture Support
- Integration Services
- Process Consulting
- Data Science and Analysis

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Utah Tech University

St. Georgе, Utah

Public university

12,500

Undergraduate enrollment

October 2019

Start of Edify partnership

EAB Technologies

Edify, Academic Performance Solutions (APS), Navigate360, YouVisit

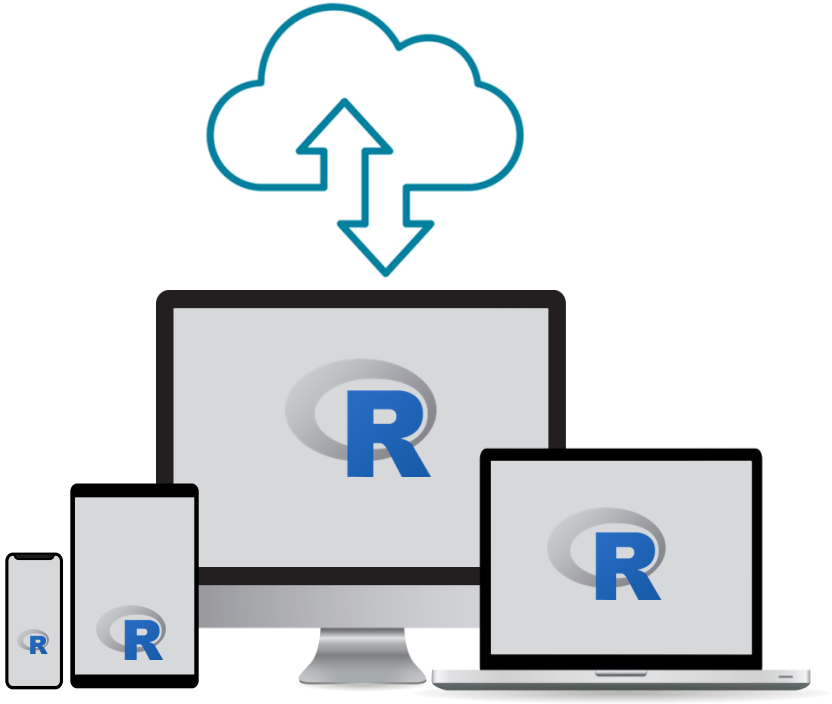
Image source: University website

ROAD MAP

1. Brief Overview of Open-Source Data Packages
2. People and Processes at Utah Tech
3. Recommendations: Getting Started with “R”
4. Takeaways and Q&A

What Is an Open-Source Data Package?

Resources and Communities



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Connecting to the Open-Source Community

Resources and Communities

Getting Started with "R"

- Getting started with R: https://support.posit.co/hc/en-us/articles/201141096-Getting-Started-with-R
- R for Data Science: https://r4ds.had.co.nz/
- What they forgot to teach you about R: https://rstats.wf/
- R for Excel users: https://rstudio-conf-2020.github.io/r-for-excel/
- Mastering Shiny: https://mastering-shiny.org/
- Introduction to R Markdown: https://rmarkdown.rstudio.com/lesson-1.html
- Cheat Sheets: https://posit.co/resources/cheatsheets/

Connecting to the Open-Source Community

- R for Data Science Slack channel: https://rfordatascience.slack.com/join/shared_invite/zt-234e39cgk-7fPkLvX5rukIbDGuhLpaxw#/shared-invite/email
- Posit Community: https://community.rstudio.com/
- X (formerly Twitter): #rstats

"R"emember, Open-Source means:

- Free to view
- Downloadable
- Ability to modify
- Allowed to distribute

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2. **People and Processes at Utah Tech**
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Utah Tech: People and Processes

Campus Stakeholders

Technical SMEs
Data Architects
Analysts
Package Developers

Project Owners
Project Managers
Academic/Business Leaders

Executive Leadership
CIO
Provost
President

UTAH TECH UNIVERSITY

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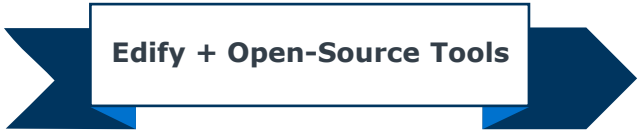
Utah Tech: People and Processes

Resources and Communities



Data Warehousing

Documenting and Standardizing Processes

Data Governance

Package Development

utHelpR

packageDown

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Getting Started with R

Recommended Packages

R Packages for Reporting, Modeling, and "Data Wrangling"

- The tidyverse: https://www.tidyverse.org/
- IPEDS uploadables: https://github.com/AlisonLanski/IPEDSuploadables
- Tidymodels: https://www.tidymodels.org/
- Shiny: https://shiny.posit.co/
- ShinyUiEditor (Beta): https://posit.co/blog/shinyuieditor-out-of-alpha/

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People to Follow on Mastodon

De-centralized Forum Based on Social Network

@jennybryan@fosstodon.org
@gaborcsardi@fosstodon.org
@R4DSCommunity@fosstodon.org
@hadleywickham@fosstodon.org
@RLadiesGlobal@hachyderm.io
@winston_chang@mastodon.social

@emilyriederer@mastodon.social
@allison_horst@mastodon.social
@juliasilge@fosstodon.org
@rweekly@fosstodon.org
@apreshill@fosstodon.org
@topepo@fosstodon.org

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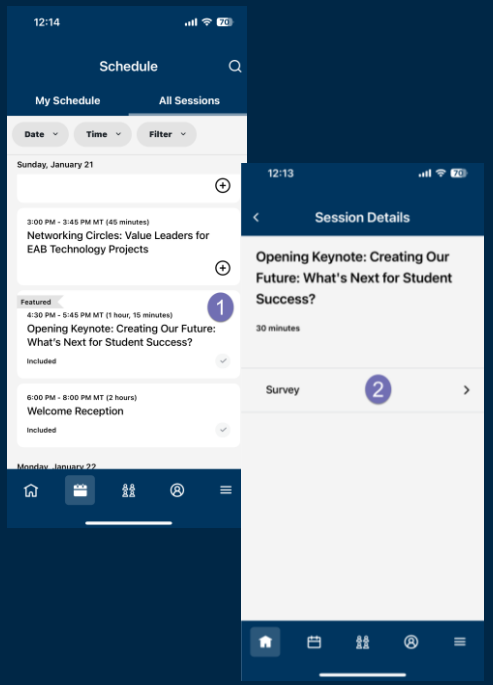
Guiding Questions

- What challenges/opportunities on campus may be able to be solved with Edify + open-source packages?
- What campus stakeholders should be involved in open-source conversations?
- Who can own these projects on my campus?

Complete Session Evaluations

Your feedback is important to us, please take a few moments to **tell us about your CONNECTED experience**.

Evaluations are available in the event app by clicking on a session and then clicking **Survey.**



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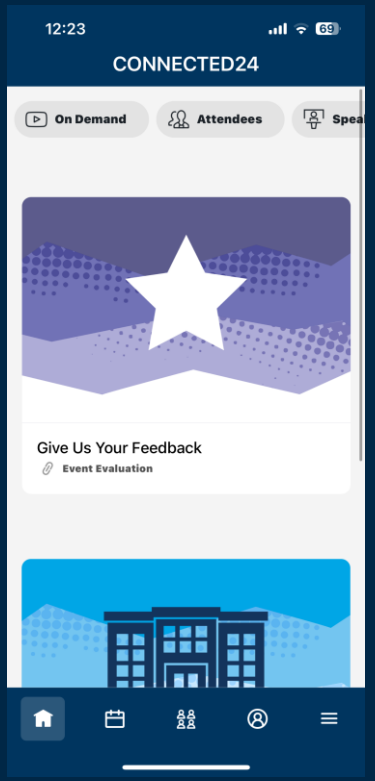
Complete the Event Feedback Survey

From the front page of the app,
click the Give Us Your Feedback box.



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