

2019 TRB Innovations in Transit Performance Measurement Challenge

Sponsored by the Transportation Research Board (TRB) Transit Management and Performance Committee and the Joint Subcommittee on Transformative Trends in Transit Data

Website: <https://github.com/trb-innovations/transit-performance-challenge>

Deadline: Email submission to transitperformancechallenge@gmail.com by **August 31, 2018**.

Competition Objectives: The contest aims to advance the use of data by transit agencies to inform decisions, and encourage young people to participate in TRB. Participants are encouraged to develop innovative approaches to analyzing data and communicating results.

Data Description: Contestants have a variety of options for data. Contestants may select to utilize data from within the agency he/she works. Alternatively, contestants are welcome to utilize publically-available data via API/GTFS feeds, data provided on this contest's github site or from other challenges.

What to Submit:

1. An innovative performance product

Submissions can be an online dashboard, app, storyboard, powerpoint, report or something else. Participants are encouraged to use interactive visualization tools, but are not required to do so. The submitter must ensure that the performance product is fully-functional and viewable using common software or a free reader.

2. A narrative write-up (no more than 6 pages total) that answers the following:

What problem does the analysis seek to address?

Who is your audience?

What data source was used and why? How often should the data be updated?

What analysis methods were applied?

How would this product help the transit agency?

How would you implement your performance product at scale?

Results and Awards: Selected participants will be notified by Sept. 28, 2018 and invited to present at the Jan. 2019 TRB Annual Meeting in Washington, DC.

See judging criteria and resources on the next page.

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Judging Criteria:

Entries will be judged based on the following:

1. Usefulness

- Clearly identifies problem to be solved
- Meets customer need (customer can be defined as transit riders or internal transit agency customers)

2. Technical

- Sound analysis approach
- Accuracy of results

3. Accessibility

- Fully-functioning
- Attractive
- Easy to use
- Bonus: open source

Resources:

Wondering what problem to examine? Look to the [Transit Cooperative Research Program](#) and [American Public Transportation Association](#) for examples of research needs and current research.

Curious how to get started with General Transit Feed Specification (GTFS) data? Check out the World Bank Open Learning Campus online course [Introduction to the General Transit Feed Specification \(GTFS\) and Informal Transit System Mapping](#).

Not sure where to get started with data visualization? Take a look at [National Cooperative Highway Research Program \(NCHRP\) Web-Only Document 226: Data Visualization Methods for Transportation Agencies](#).