

INFO 290T

Human-Centered Data Management Wrangler



Announcements

- We'll stay in 210
- Project proposals graded
- Paper reviews graded
- Class participation graded
- Class presentations graded
- For class participation or class presentation, you can make up for loss of points by signing on for more class presentations.
 - Hope is that everyone gets a perfect score on participation and presentations

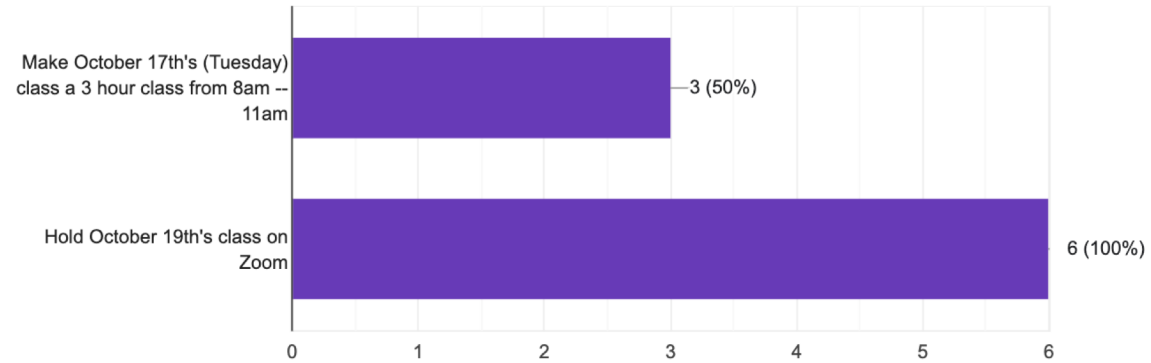


Poll Results

Aditya will be out of town on October 19th (Thursday) for a gathering of database researchers writing the next "database report" (see a previous one [here](#)). Which of these options work for you? (Select zero, one, or more as appropriate.)

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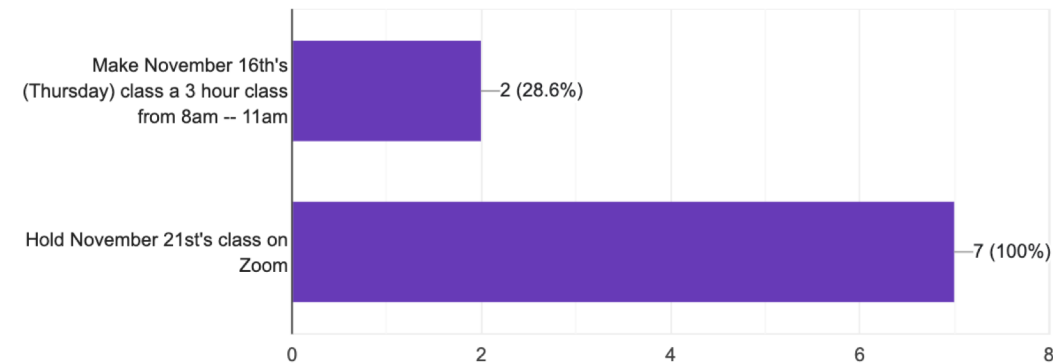
6 responses



Many students plan to be away during Thanksgiving week. This may lead to low attendance on November 21 (Tuesday) in-person, which in turn would not be nice for the presenters. Which of these options work for you? (Select zero, one, or more as appropriate.)

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7 responses



Demo Video

- <https://vimeo.com/19185801>



Thoughts on Paper?

- Interface?
- Evaluation?
- Writing?



A bit of history

- Wrangler led to Trifacta, founded October 2012
- Google's Cloud Data Prep is basically packaged Trifacta offered 2017
- Tableau Prep, a competitor offered in 2018
- Amazon Glue, a competitor offered in 2017
- Trifacta acquired by Alteryx in 2022

- Trifacta/Wrangler pioneered the “no-code data prep” category
- BUT!! It's hard to be differentiated in a UX space



Use Cases

For what types of datasets and data transformations is Wrangler *not* a good fit for?



Use Cases

For what types of datasets and data transformations is Wrangler *not* a good fit for?

- transformations involving joins of multiple datasets (beyond lookups)
- transformations that are not easy to express (e.g., UDFs)
- complex nested JSON
- transformations that involve windowed operations



Target Users

- Who are ideal target users of Wrangler?



Target Users

- Who are ideal target users of Wrangler?
- Not exactly clear! Difficulties knowing who to sell to



Informal Archaeology

- Paper this is based on: Potter's Wheel
 - Defines a data prep algebra (a simple extension of relational algebra)
 - Employs Minimum Description Length to identify domains
- Paper based on this: Profiler (we're reading it soon!)

