MIDAS Learning Analytics Challenge:

Open STEM Resources & Predictive Analytics

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http://MIDAS.umich.edu
MIDAS Student Learning Analytics: Open STEM Platform &

- **Open Science, Technology, Engineering and Math (STEM) Resources**
  - Enhance UM undergrad and grad education and training by providing a platform for Integration of Research + Practice + Education
  - Training as a Service (TaaS) MOOC platform

- **Dynamic Student Learning Assessment**
  - Utilize wrangling tools for cleaning, harmonizing, aggregating, modeling, & viz of large & heterogeneous data
  - Employ powerful Big Data methods for Trend Detection, Forecasting, Early Intervention, & Decision Support
  - Translate Biomed techniques to examining student learning ([http://www.socr.umich.edu/people/dinov/publications.html](http://www.socr.umich.edu/people/dinov/publications.html))