

# MIDAS Learning Analytics Challenge:

## Open STEM Resources & Predictive Analytics

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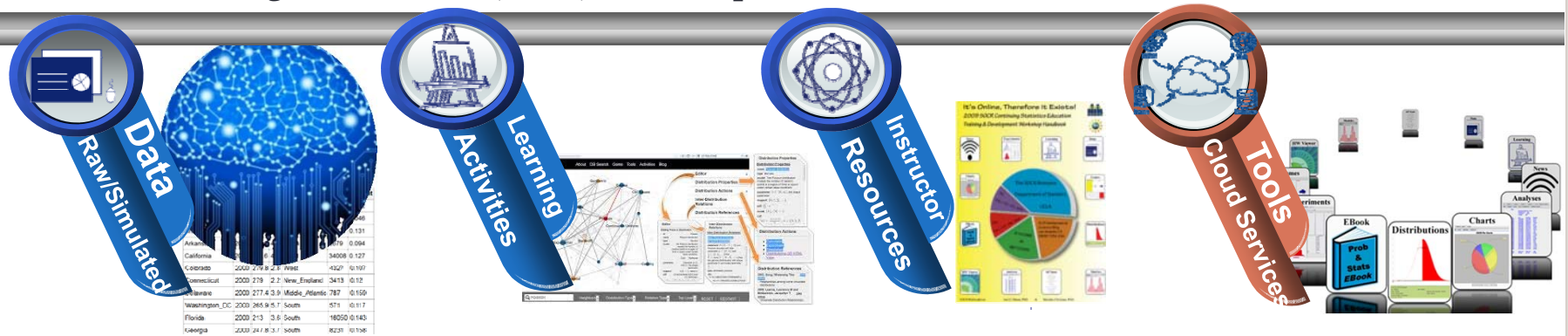
<http://MIDAS.umich.edu>



# 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>)

