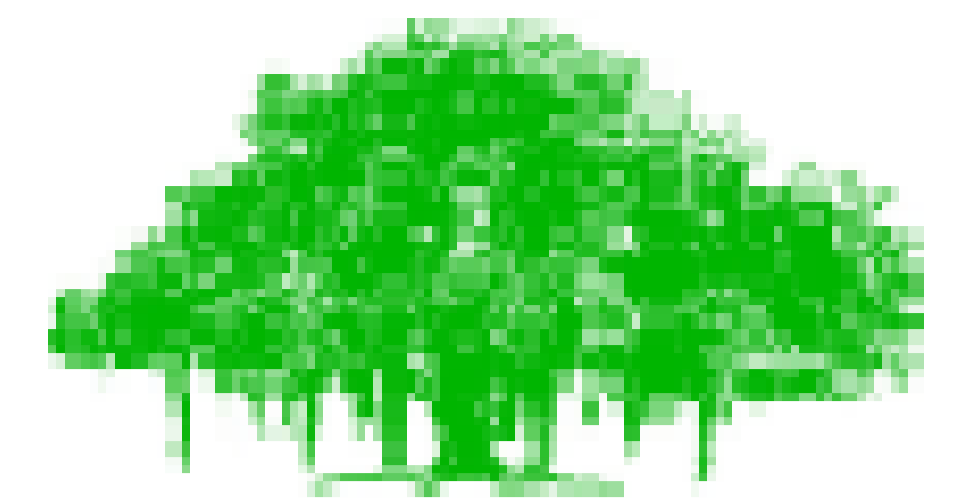




# Understanding Student Behavior in Computer Based Instruction using Activity Monitoring Data

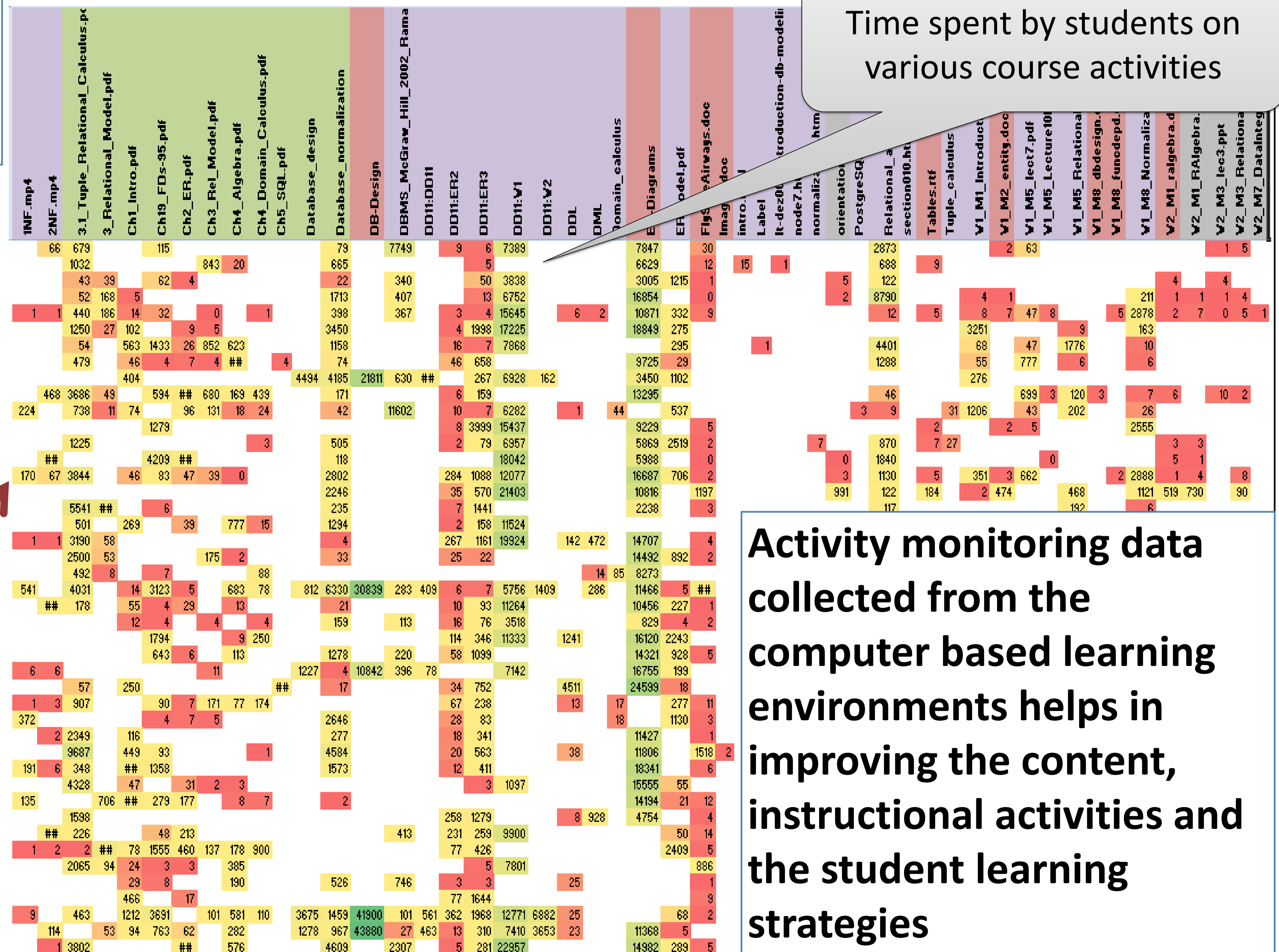


We present a data driven approach to understand student behavior in computer based learning environments. The activity data helps instructors to better understand the factors for success or failure

## Data from 1 week of Database Course

## Activities

Time spent by students on various course activities



Student's Computer

Collect student activity data. (Keystrokes & Clicks)

Agent

Activity Logs Database

Data Summarization Programs

Students

Activity monitoring data collected from the computer based learning environments helps in improving the content, instructional activities and the student learning strategies