Classroom computing at the Ohio Supercomputing Center Thijs Heus - Department of Physics

Take Home Messages

- Class.osc.edu is a great stable platform for classroom computer projects
- A script to facilitate grading is available (ping me)
- Mixing up computer classes with lectures and other activities keeps classes fresh
- The ADAM Strategic Center can help setting up and developing projects – Student Assistant Available!

Classes / The Platform

- The Ohio Supercomputing Center offers an easy platform for doing classroom projects
- It is free of charge for Ohio Classes
- No need to install anything ful access through web browser
- Can be accessed from home and CSU campus
- No need for heavy workstations
- Available software includes Matlab, Python, QGIS, Rstudio and more

Pedagogical Results

- Adding another active learning component to classes
- Students of all incoming knowledge levels learn data science

Ohio Supercomputer Center

An **OH**·**TECH** Consortium Member

- As scaffolded as need be for the target audience
- Use of real (real time!) data
- Hypothesis forming, iterations, plotting
- Coding skills can be developed, if desired
- Paper under review for The Physics Teacher













As a human being, you are using about 100W of energy when in rest. This energy is converted into heat, and then has to be moved out of your body into the environment. This is done by radiation of sensible heat if the environment is cold enough. If it

To express the ease with which sweat can evaporate, meteorologists use two different temperatures: the dew point temperature

During the https://en.wikipedia.org/wiki/1995_Chicago_heat_wave, the temperature reached 104F, with a dew point of 90F.

