

Open Source Tools for Soil Scientists

Monday 10-11 am 2004 PES
SSC 290: 41037

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Class Website:

<http://casoilresource.lawr.ucdavis.edu/drupal/node/294>

Syllabus

Class goals:

1. Raise awareness of open source tools relevant to soil science
2. Provide support for overcoming potential pitfalls
3. Provide a reference base, tailored to soil scientists:
 1. example code
 2. printed resources: books, manuals, how-to documents, etc.
 3. online resources: websites, etc.
 4. online community: mailing lists and local user groups

Class format:

1. Lecture on key topics with discussion and Q/A
2. Demonstration of key concepts (good days to bring a laptop)
3. Discussion of current articles

Assigned reading / homework:

- background material and case studies found in the literature
- Relevant sections of "An Introduction to R", "R Data Import/Export", and "GRASS 6 in a Nutshell"- all available as PDF
- Simple operations / analysis using sample data