loadtxt and savetxt
Numpy and Matplotlib Basics 2

Dr. Ryan Krauss

Grand Valley State University

pdm

Overview

- ▶ the `numpy` module provides functions for reading and writing arrays (matrices) to text files

pdm

Overview

- the `numpy` module provides functions for reading and writing arrays (matrices) to text files
  - `loadtxt`

pdm

Overview

- the `numpy` module provides functions for reading and writing arrays (matrices) to text files
  - `loadtxt`
  - `savetxt`

pdm

Overview

- the `numpy` module provides functions for reading and writing arrays (matrices) to text files
  - `loadtxt`
  - `savetxt`
- these are good for saving data files

pdm

Overview

- the `numpy` module provides functions for reading and writing arrays (matrices) to text files
  - `loadtxt`
  - `savetxt`
- these are good for saving data files
- there are some key options you need to know about to use them correctly

pdm

loadtxt

- ► check the help

pdm

loadtxt

- ▶ check the help
- ▶ key options:

pdm

loadtxt

- check the help
- key options:
    - `delimiter`

pdm

loadtxt

- check the help
- key options:
  - `delimiter`
  - `skiprow`

pdm

savetxt

- check the help

pdm

savetxt

- ► check the help
- ► key options and defaults:

pdm

savetxt

- ► check the help
- ► key options and defaults:
  - ► `fmt='%0.18e'`

pdm

savetxt

- ► check the help
- ► key options and defaults:
  - ► `fmt='%0.18e'`
  - ► `delimiter=' '`

pdm

savetxt

- ► check the help
- ► key options and defaults:
  - ► `fmt='%0.18e'`
  - ► `delimiter=' '`
  - ► `newline='\n'`

pdm

savetxt

- ► check the help
- ► key options and defaults:
  - ► fmt='%0.18e'
  - ► delimiter=' '
  - ► newline='\n'
  - ► header=''

pdm