### Loading data from files

Spoken Tutorial Project http://spoken-tutorial.org National Mission on Education through ICT

http://sakshat.ac.in

Usha Vishwanathan

IIT Bombay

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# Objectives

In this tutorial, you will learn to, Read data from files, which contain data in:

- Single column format
- Multiple columns separated by spaces or other delimiters

Ubunutu 14.04

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- Python 2.7.6

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- ▶ IPython 3.0.0

## Assignment 1

Read the data from the file pendulum\_semicolon.txt. This file contains data in two columns. These columns are seperated by semi-colons. Use the IPython help to see how to do this.

## Summary

To Read data from files using the loadtxt() command, the data can be in,

- A single column OR
- Multiple columns separated by spaces or other delimiters

### **Evaluation**

- loadtxt() can read data only from a file with one column only. True or False?
- Given a file "data.txt" with three columns of data separated by spaces. Read it into 3 separate simple sequences.

#### Evaluation..

Given a file "data.txt" with three columns of data separated by ":". Read it into 3 separate simple sequences.

#### Solutions

- False
- x = loadtxt("data.txt", unpack=True)
- x = loadtxt("data.txt", unpack=True, delimiter=":")

## About the Spoken Tutorial Project

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- Conducts workshops using spoken tutorials
- Gives certificates to those who pass an online test
- For more details, please write to contact@spoken-tutorial.org

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- Choose the minute and second where you have the question.
- Explain your question briefly.
- Someone from the FOSSEE team will answer them. Please visit

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## Forum to answer questions

- Questions not related to the Spoken Tutorial?
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- The FOSSEE team coordinates coding of solved examples of popular books
- We give honorarium and certificate to those who do this

For more details, please visit this site:

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### Acknowledgements

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- More information on this Mission is available at:

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http://spoken-tutorial.
org/NMEICT-Intro
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### **THANK YOU!**

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