

Subplots

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Script: Aditya Palaparth

Narration: Usha V.

IIT Bombay

19 October 2016



Objectives

In this tutorial, we will learn -



Objectives

In this tutorial, we will learn -

- ▶ create and switch between subplots**



System Specifications



System Specifications

- ▶ **Ubuntu Linux 14.04**



System Specifications

- ▶ **Ubuntu Linux 14.04**
- ▶ **Python 3.4.3**



System Specifications

- ▶ **Ubuntu Linux 14.04**
- ▶ **Python 3.4.3**
- ▶ **IPython 5.1.0**



Pre-requisites

To practise this tutorial, you should know how to

- ▶ run basic Python commands on the ipython console
- ▶ use Plots interactively.
- ▶ Embellish a plot.

If not, see the pre-requisite Python tutorials on <http://spoken-tutorial.org>



Exercise 1

- ▶ **Pressure, Volume and Temperatures are held by the equation $PV = nRT$ where nR is a constant.**
- ▶ **Assume $nR = 0.01$ Joules/Kelvin and $T = 200K$. V can be in the range from 21cc to 100cc.**



Exercise 1

Draw two different plots as subplots:

- ▶ **Pressure v/s Volume plot and**
- ▶ **Pressure v/s Temperature plot.**



Summary

In this tutorial, we have learnt to -



Summary

- In this tutorial, we have learnt to -
- ▶ create subplots and to switch between them.



Evaluation

1. Which of the following is correct?

- ▶ `subplot (numRows, numCols, plotNum)`
- ▶ `subplot (numRows, numCols)`
- ▶ `subplot (numCols, numRows)`



Solutions

1. `subplot (numRows, numCols, plotNum)`



Forum to answer questions

- ▶ Do you have questions on **THIS Spoken Tutorial?**
- ▶ Choose the minute and second where you have the question.
- ▶ Explain your question briefly.
- ▶ Someone from the **FOSSEE** team will answer them. Please visit

<http://forums.spoken-tutorial.org/>



Forum to answer questions

- ▶ Questions not related to the Spoken Tutorial?
- ▶ Do you have general / technical questions on the Software?
- ▶ Please visit the FOSSEE Forum
<http://forums.fossee.in/>
- ▶ Choose the Software and post your question.



Textbook Companion Project

- ▶ **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:

<http://tbc-python.fossee.in/>



Acknowledgements

- ▶ **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- ▶ **It is supported by the National Mission on Education through ICT, MHRD, Government of India**
- ▶ **More information on this Mission is available at:**

<http://spoken-tutorial.org/NMEICT-Intro>



THANK YOU!

For more Information, visit our website
<http://fossee.in/>

