

Open Source Software for Social & Scientific Research

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GUI Based

Spreadsheet Applications

SPSS like software?

PSPP

JASP

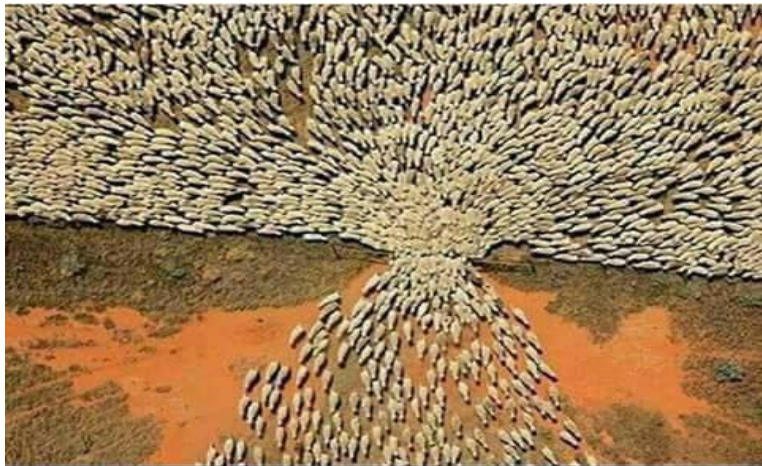
CUI Based Applications

GNU/R

Python

Onyx

Advanced Tools for SEM



A herd of sheep is leaving the stall. There is no fence, only the gate ...

"The Trap of thinking"

Libre Office Suite



Download / Download LibreOffice


Download LibreOffice




 LibreOffice 6.0.4

Choose your

 DOCUMENTATION

 PROVIDE FEEDBACK

 JOIN THE PROJECT!

 MEET US AT EVENTS

 DISCOVER LIBREOFFICE

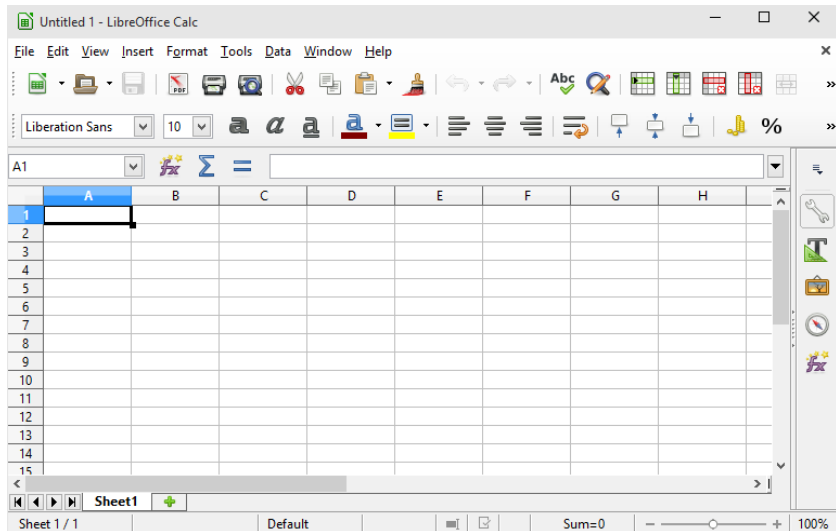
 GOOD LOOKING DOCUMENTS

Choose operating system

Choose language

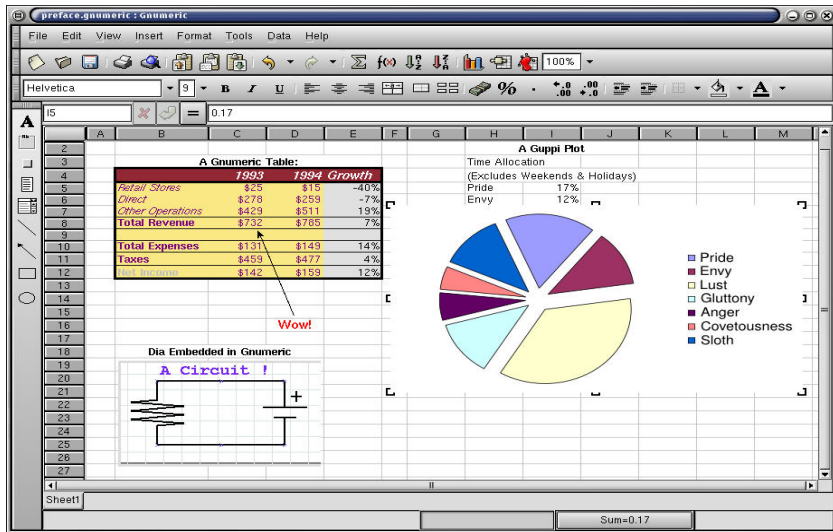
How do I install LibreOffice?

LO Calc - Spreadsheet Application



HOME - <https://www.libreoffice.org/download/download/>

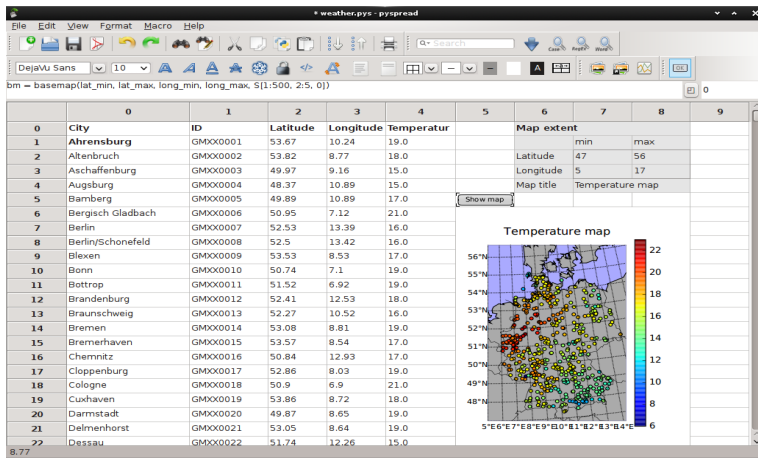
Gnumeric - GNU Office Suite



Download -

<https://sourceforge.net/projects/gnumericportabl/files/latest/download?source=directory>

Pyspread



HOME - <https://manns.github.io/pyspread/>

PSPP

1. Open source alternative to SPSS.
2. GUI based drop-down menus (useful for editing, coding, transforming, analysis and reports).

For HOME - <https://www.gnu.org/software/pspp/get.html>

To Download - <http://pspp.awardspace.com/>

***students.sav [DataSet1] -- PSPPIRE Data Editor**

File Edit View Data Transform Analyze Utilities Windows Help

Target Variable: log_colgpa = Numeric Expressions: LN(colgpa)

Type & Label...

id
lastname
firstnam
gender
ethnicit
YEAR IN SCHOOL
LOWER OR ... R DIVISION
section
High School GPA
College GPA
DID EXTRA ...T PROJECT?
ATTENDED ...SESSIONS?
quiz1
quiz2

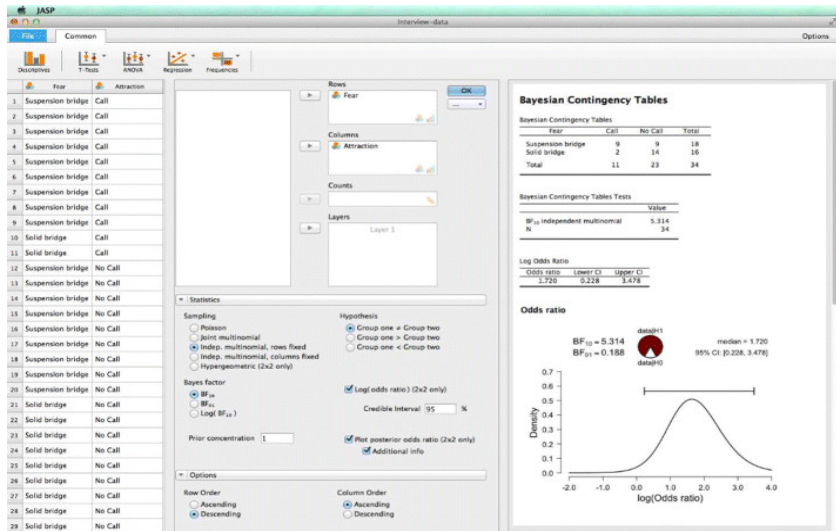
Functions:
INDEX(string, string, number)
LAG(num_variable)
LAG(num_variable, positive_integer_constant)
LAG(string_variable)
LAG(string_variable, positive_integer_constant)
LENGTH(string)
LG10(number)
LN(number)

OK Paste Cancel Reset Help

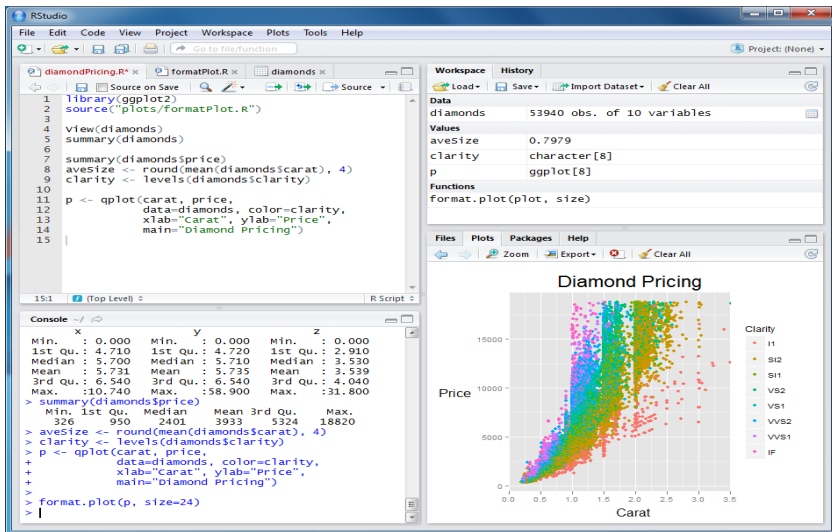
Case	id	lastname	firstnam	gender	ethnicit	year	lowup	section	hsgpa	colgpa	extrcred	review	quiz1	quiz2
1	302400	JONES												
2	106484	VILLARRUZ												
3	664653	KHAN												
4	595177	WILLIAMS												
5	506467	SCARBROUG												
6	681855	GRISWOLD												
7	721311	SONG												
8	237983	LEE												
9	725987	BATILLER												
10	615115	VASENIUS												
11	979028	NEUHARTH												
12	140219	GUADIZ												
13	908754	MARQUEZ												
14	417003	EVANGELIST												
15	818528	CARRINGTON												
16	938666	SUAREZ-TAN												
17	354601	CARPIO	MARY		1	2	2	1	1	2.03	2.40	1	2	10
18	307894	TORRENCE	GWEN		1	3	2	1	2	2.09	2.21	2	2	6
19	983522	SLOAT	AARON		2	3	3	2	3	2.11	2.45	1	1	4
20	108642	VALAZQUEZ	SCOTT		2	4	3	2	2	2.19	3.50	2	1	10
21	287617	CUMMINGS	DAVENA		1	5	3	2	3	2.21	3.82	1	2	9

Data View Variable View

Filter off Weights off No Split

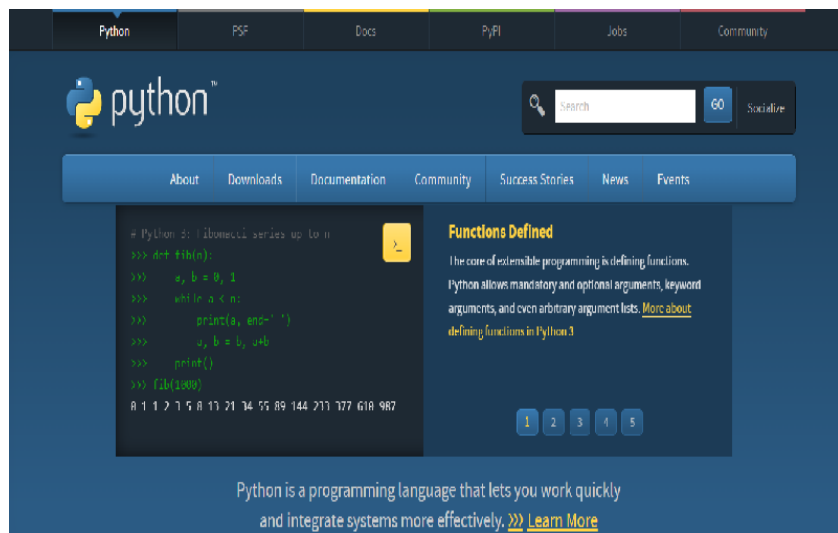


HOME - <https://jasp-stats.org/download/>



R - <https://jasp-stats.org/download/>

RStudio - <https://www.rstudio.com/>



The image is a screenshot of the Python.org homepage. At the top, there is a dark navigation bar with links for Python, PSF, Docs, PyPI, Jobs, and Community. Below this is a large blue banner. On the left side of the banner is the Python logo. To the right of the logo is a search bar with a magnifying glass icon, a 'GO' button, and a 'Socialize' link. Below the search bar is a horizontal menu with links for About, Downloads, Documentation, Community, Success Stories, News, and Events. The main content area is divided into two columns. The left column contains a code snippet for a Fibonacci function and its output. The right column has a section titled 'Functions Defined' with a paragraph about extensible programming and a link to 'More about defining functions in Python 3'. Below the text in the right column are five numbered buttons (1-5). At the bottom of the banner, there is a statement about Python's purpose and a link to 'Learn More'.

Python

PSF

Docs

PyPI

Jobs

Community

python™

Search

GO

Socialize

About

Downloads

Documentation

Community

Success Stories

News

Events

```
# Python 3: Fibonacci series up to n
>>> def fib(n):
>>>     a, b = 0, 1
>>>     while a < n:
>>>         print(a, end=' ')
>>>         a, b = b, a+b
>>>     print()
>>> fib(1000)
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987
```

Functions Defined

The core of extensible programming is defining functions. Python allows mandatory and optional arguments, keyword arguments, and even arbitrary argument lists. [More about defining functions in Python 3](#)

1 2 3 4 5

Python is a programming language that lets you work quickly and integrate systems more effectively. [>>> Learn More](#)

HOME - <https://www.python.org/>

Spyder

Spyder (Python 3.4)

File Edit Search Source Run Debug Consoles Tools View Help

Editor - /tmp/interpolation.py

```
1 from the SciPy Cookbook
2 """
3
4
5
6
7 from numpy import arange, cos, linspace, pi, sin, random
8 from scipy.interpolate import splprep, splev
9
10 # make ascending spiral in 3-space
11 t=linspace(0,1.75*2*pi,100)
12
13 x = sin(t)
14 y = cos(t)
15 z = t
16
17 # %% add noise
18 x+= random.normal(scale=0.1, size=x.shape)
19 y+= random.normal(scale=0.1, size=y.shape)
20 z+= random.normal(scale=0.1, size=z.shape)
21
22 # %% spline parameters
23 s=3.0 # smoothness parameter
24 k=2 # spline order
25 nest=-1 # estimate of number of knots needed (-1 = maximal)
26
27 # %% find the knot points
28 tckp,u = splprep([x,y,z],s=s,k=k,nest=-1)
29
30 # %% evaluate spline, including interpolated points
31 xnew,ynew,znew = splev(linspace(0,1,400),tckp)
32
33 import pylab
```

Object inspector

Source Console Object numpy.mean

mean

Definition: mean(a, axis=None, dtype=None, out=None, keepdims=False)

Type: Function of numpy.core.fromnumeric module

Compute the arithmetic mean along the specified axis.

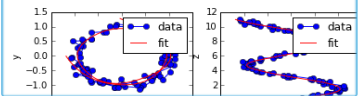
Returns the average of the array elements. The average is

Object inspector Variable explorer File explorer Static code analysis

IPython console

Python 3.4.0 on linux -- IPython 4.0.0

In [1]: runfile('/tmp/interpolation.py', wdir='/tmp')



Internal console Console History log IPython console

Permissions: RW End-of-lines: LF Encoding: UTF-8 Line: 18 Column: 43 Memory: 86 %

Onyx for SEM

Onyx

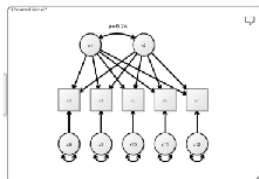
Onyx: A graphical interface for Structural Equation Modeling

[Home](#) [What is Onyx?](#) [News](#) [Download](#) [Screenshots](#) [Documentation](#) [Faq](#) [Help](#) [Forum](#) [Publications](#) [Privacy Policy](#)

Onyx

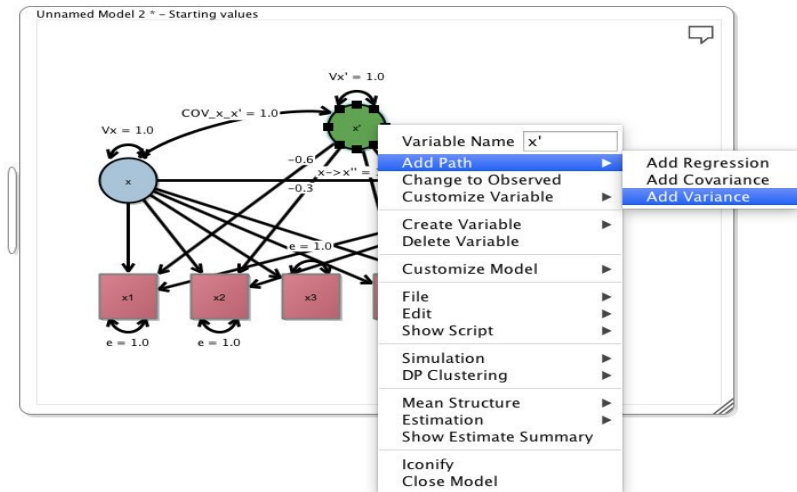
A graphical interface for Structural Equation Modeling

Onyx is a free software environment for Structural Equation Modeling. It runs on a wide variety of platforms, including UNIX, Mac, and Windows. Onyx is available free of charge.



HOME - <http://onyx.brandmaier.de/>

Onyx for SEM





WIKIPEDIA
The Free Encyclopedia

USE OPEN SOURCE SOFTWARE,
REMAIN AS ETHICAL ACADEMIC,
LIVE WITH FREEDOM...

Please visit -

<https://www.gnu.org/links/links.en.html>
<https://www.fsf.org/> <https://www.wikipedia.org/>