

# Python Pandas

- `pip3 install pandas`

- soporte para excel:

```
pip3.9 install openpyxl # needed to load Excel .xlsx files
pip3.9 install xlrd # needed to load Excel old .xls files)
```

## bokeh ejemplos

```
from bokeh.plotting import figure, output_file, show

p=figure(width=500,height=400, tools='pan')

p.title.text="Cool Data"
p.title.text_color="Gray"
p.title.text_font="times"
p.title.text_font_style="bold"
p.xaxis.minor_tick_line_color=None
p.yaxis.minor_tick_line_color=None
p.xaxis.axis_label="Date"
p.yaxis.axis_label="Intensity"

p.line([1,2,3],[4,5,6])
output_file("graph.html")
show(p)
```

## pandas + bokeh ejemplos

```
# segundo bokeh plot con pandas
from bokeh.plotting import figure
from bokeh.io import output_file, show
import pandas

df=pandas.read_csv("https://pythonizing.github.io/data/bachelors.csv")

x=df["Year"]
y=df["Engineering"]

output_file("Line.html")

f=figure()
f.line(x,y)

show(f)
```

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