

Galaxy

```
#provisioning
#commandline="freebayes --bam
#INFO=<ID=NS,Number=1,Type=Int
#INFO=<ID=DP,Number=1,Type=Int
#INFO=<ID=DPS,Number=1,Type=Fl
#INFO=<ID=AC,Number=A,Type=Int
#INFO=<ID=AN,Number=1,Type=Int
#INFO=<ID=AF,Number=A,Type=Flc
#INFO=<ID=RO,Number=1,Type=Int
#INFO=<ID=AO,Number=A,Type=Int
#INFO=<ID=PRO,Number=1,Type=Fl
```

57: Tabular Data

ipython.notebook

call

IE Entry Point

Configure Docker Container

Run Docker Container

authenticate with Password
load ipython_gallery_notebook.ipynb

Docker Container

IPython + SciPy stack + R

config.yaml

History ID
API Key
Password

ipython_gallery_notebook.ipynb

IPython Webservice

while active Connection

Galaxy

IPython Notebook

ipython_gallery_notebook

Welcome to the interactive Galaxy IPython Notebook.

```
In [1]: Import today as to
Import matplotlib.pyplot as plt

In [2]: from IPython.html.widgets import InteractiveShell
plt.figure(figsize=(10, 10))
plt.plot([1, 2, 3, 4, 5, 6, 7, 8, 9, 10])
```



```
In [3]: Import size
volume = 10000
width = 1000
height = 1000
for i in range(10):
    # calculate the volume of the box
    volume = width * height * i
    # calculate the area of the box
    area = width * height
```

57: Tabular Data

ipython.notebook