Python – Note

**Importer un package et le renommer de manière simple**

Import math as m

**String sur plusieurs lignes**

Txt = ‘’’Bonjour

Jesuisunstring’’’

**Utiliser le résultat de la ligne précédente**

\_+1

**Add element to list**

Mylist+=[mylist,1,3,’data’]

**Select some elements of a list**

Mylist[ :-2] 🡪 all but the last 2

**Checker l’appartenance à un dictionnary**

K1 in dictionnary

**Boucle**

For x in range (11) 🡪 0 à 10

For x in range (10,21) : print x 🡪 10 à 21

**Boucle dictionnary**

Days={‘mon’ :1,’tue’ :2,’thu’ :3}

For key in days

Print ‘%s : %s’ % (key, days[key])

**Code efficace**

Even\_pow\_of\_2=[x\*\*2 for x in range(11) if x%2==0]

**Select rows and columns from dataframe**

surveys\_df.iloc[0:3, 1:4]

surveys\_df.loc[0, ['species\_id', 'plot\_id', 'weight']]

**Rename column**

test = test.rename(columns={test.columns[2]:'P1'})

**Splitter un string**

Split

**Apply function to np.array**

**>>>** np.apply\_along\_axis(my\_func, 0, b)

**Concatenate strings**

X + ‘hello’

**Clear variables**

del(I,b,hel)

**Delete char from string python**

newstr = oldstr.replace("M", "")

**Insert value in vector**

b.insert(0,’Date’)

**First two letter of a column string**

df['StateInitial'] = df['state'].str[:2]

**Select row above threshold**

df[ df.p\_value < threshold ]

**Clear all variables**

>>> import sys

>>> sys.modules[\_\_name\_\_].\_\_dict\_\_.clear()

**Correlation matrix**

Choice color for pcolor: <http://scipy.github.io/old-wiki/pages/Cookbook/Matplotlib/Show_colormaps>

**Questions**

* Histograms mean?
* Labels for correlation matrix?