## Matplotlib

impont matplotlib. pyplot an plt 1. matplotlib inline.

 $\gamma = [1, 2, 3, 4, 5, 6, 7]$   $\gamma = [50, 51, 52, 48, 47, 49, 46]$ 

plt. xlable ('Day')
plt. ylable ('Tempenature')
plt. title ('wather')

Plta. plot (n,7)

plt. plot (n,y, colon = gneen)

> linewith = 5) > linestyle = doshdot') dotted pl+.plot (n.y, 'g+')

green

format strings

-2

format strings

pH. plot (n.y. colon - gruen, alpha - 0.2)

Axen lablen, legend. Snid - 3

plt day = [1, 2, 3, 4, 5, 6, 7]  $maxb_{-}f = [50, 51, 52, 48, 47, 49, 46]$   $min_{-}f = [43, 42, 40, 44, 33, 35, 37]$   $Avg_{-}f = [44, 48, 48, 46, 40, 47, 41]$ 

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plt. plot (days, max-4) plt.plot (dayn, min-t) } it represent all the plt.plot (dayn, Avg-t) chant. (day, mox-t, label='max')
min-t, lable='max')

Avg-t, lable='Avg')

Set mame. pHilegend (log = 'uppen night') = set location | best), shadow = True, fontsize = 's mall' Plt. (egend () pltignid (

10.01 24.34.34.001 = 1-

## Ban chant import madplotlib.pyplot as plt import numpy as op company = [ 'goog 4, Amazon', MSft, fB] Muereu = [90,136, 89,27] pnofit = Mypos = np. onenge (len(company)) n ypos annay ([0.1,2,3]) > Pli. xtieko (y. pos, company) plt. ban (yypos, neveneu) plt. title (" Tech company") slable = 'Revenue') vabel plt. ban (yypos; pnotit, lable='pnotit') Plt. legend()

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- 1) How many patients are monmal?
- 2) How many of them are pre-diabetie?
- 3) How many are

plt. hist ( blood-suger, binn = 3 ) snouth=0.95, colon='g', histtype= 'step' relative with maximum plt. blo klable (suger)

plt. ylable (patients)

plt. title () binn = [80,100,125,200] blood-sugar-male=[ blood-sugan-female=t pltihist ([blood-sugar-man, blood-suger-ternal] binn=[80,100,] nwidth = 0.95, colon = ['gruen', 'onang e'].)
slabbel = [man, woman)

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Anti clock pie chant exp-valo =[1400,600, 300, 410, 250] exp - lable = ['Home, food, bill', can, otherit minerusing size. plt. axis ('equal') plt. pie (exp-valuen, Lablula = exp-labela) > nadiun = 2) > autopet = 1.0.2 7.1.) plf. Shows () , Stradow = True Jexplod=[0,0,0.2,0,0] , stantangle = 180