Jupyenv&Quarto

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Getting Started

第一部分

Julia

```
using Plots
# define the Lorenz attractor
Base. @kwdef mutable struct Lorenz
    dt::Float64 = 0.02
    ::Float64 = 10
    ::Float64 = 28
    ::Float64 = 8/3
    x::Float64 = 1
    y::Float64 = 1
    z::Float64 = 1
end
function step!(1::Lorenz)
    dx = 1. * (1.y - 1.x)
   dy = 1.x * (1. - 1.z) - 1.y
    dz = 1.x * 1.y - 1. * 1.z
   1.x += 1.dt * dx
   1.y += 1.dt * dy
    1.z += 1.dt * dz
end
attractor = Lorenz()
# initialize a 3D plot with 1 empty series
plt = plot3d(
    1,
   xlim = (-30, 30),
    ylim = (-30, 30),
    zlim = (0, 60),
    title = "Lorenz Attractor",
    legend = false,
```

Plots.AnimatedGif("/home/guangtao/Dropbox/omnibus/examples/jupyenv+quarto/quarto/t

第二部分

Python

```
import matplotlib.pyplot as plt

fig, ax = plt.subplots()

fruits = ['apple', 'blueberry', 'cherry', 'orange']

counts = [40, 100, 30, 55]

bar_labels = ['red', 'blue', '_red', 'orange']

bar_colors = ['tab:red', 'tab:blue', 'tab:red', 'tab:orange']

ax.bar(fruits, counts, label=bar_labels, color=bar_colors)

ax.set_ylabel('fruit supply')

ax.set_title('Fruit supply by kind and color')

ax.legend(title='Fruit color')
```

<matplotlib.legend.Legend at 0x7f4574408650>

