**import** matplotlib.pyplot **as** plt

**import** numpy **as** np

#4 series generadas aleatoriamente

a **=** np**.**array([0.1]**\***50)

b **=** np**.**sin(np**.**linspace(0,4,50)) **+** np**.**random**.**uniform(**-**0.1,0.1,50)

c **=** np**.**cos(np**.**linspace(2,6,50)) **+** np**.**random**.**uniform(**-**0.1,0.1,50)

d **=** [i **-** np**.**random**.**uniform(0,0.8) **for** i **in** np**.**linspace(0,1,50)]

#Grafique las 4 inversiones en series

fig,ax **=** plt**.**subplots(1,1,figsize**=**(15,7),dpi**=**120)

ax**.**plot(np**.**linspace(0,50,50),a, marker**=**'o', linestyle**=**'dashed',label**=**'Inversión a')

ax**.**plot(np**.**linspace(0,50,50),b, marker**=**'o', linestyle**=**'dashed',label**=**'Inversión b')

ax**.**plot(np**.**linspace(0,50,50),c, marker**=**'o', linestyle**=**'dashed',label**=**'Inversión c')

ax**.**plot(np**.**linspace(0,50,50),d, marker**=**'o', linestyle**=**'dashed',label**=**'Inversión d')

ax**.**set\_xlabel('Tiempo')

ax**.**set\_ylabel('Fraccion de retorno')

ax**.**legend()

plt**.**show()

Chart, line chart

Description automatically generated