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In [1]: # calculate a 5-number summary
from numpy import percentile
from numpy.random import rand
# generate data sample
data = rand(1000)
# calculate quartiles
quartiles = percentile(data, [25, 50, 75])
# calculate min/max
data_min, data_max = data.min(), data.max()
# print 5-number summary
print('Min: %.3f' % data_min)
print('Q1: %.3f' % quartiles[0])
print('Median: %.3f' % quartiles[1])
print('Q3: %.3f' % quartiles[2])
print('Max: %.3f' % data_max)
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Min: 0.003
Q1: 0.234
Median: 0.491
Q3: 0.763
Max: 0.999
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In [ ]:
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