In this exercise, we will solve this problem by using python exactly as per the previous lecture.

you are the supply chain manager of coffee co, a well-known brand for coffee Columbian blend

coffee co takes raw coffee from its partner supplier in Columbia. the annual demand for raw coffee

is 6000 tons per year, the price of one ton from the supplier is 1500 USD, assume a holding

#rate of 10% while the cost of transportation and order is 4000 USD. what should be the optimal Q.

what is the total logistics cost? what is your t practical? if the supplier will offer you a 10 % discount if your Q is 500, would you accept it?

if the Lead time from the Columbian supplier is 2 months, what is the reorder point?

Please try to answer the questions first and then have a look at the solved script.

All the best,

Haytham

Rescale analytics.