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ML Assignment 1

Que 1) I downloaded the Superstore file and then I uploaded the file in google colab , I imported the panda library and with “pd.read_csv()” I accessed the file , then I used data.info() and data.describe()

Numerical features - Row Id , Postal codes , Sales , Discount , Profit , Quantity.

Categorical Features - Order Id , Order Date , Ship Date , Ship Mode , Custom Id , Customer Name , segment , Country , State ,City , region , Product Id , Category , Sub Category , Product Name

Que 2) I imported dumpy library , then created a random array using np.random.uniform(start , end , step) then found mean , standard deviation using np.mean() and np.std() respectively .

I created random (3,3) matrix using np.random.randint(start , end , size = ()) , then found Eigen vector and Eigen value using np.linalg.eig() , similarly I found out the inverse and determinant using the inbuilt features np.linalg.inv() , np.linalg.det() respectively.