

## Sales Data Analysis Mini Project

SL.NO.	TASK DESCRIPTION
Task 1	Identifying and importing essential libraries
Task 2	<b>Data loading and overview</b>  a.Load the dataset from a file  b.Look at the first 5 records of the data  c.Print the columns contained in the data  d.Print the attributes like count , mean , max , min, standard deviation etc  e.Find out are there any missing or null values in the data for all columns
Task 3	<b>Find out the per unit price from the data</b>  a. Convert date time field into pandas time object  b. Find out the price per unit from the data and create a column for it in the same data
Task 4	<b>Find out the monthly revenue and analyze the findings</b>  a.Create a column with Year and month field only give a suitable name to it  b.Create a separate dataset from the data which will have two columns , one which is created in step a of this task and second the monthly sales / revenue  c.Plot this dataset

	d.Describe your analysis for the monthly revenue observations.
<b>Task 5</b>	<p><b>Find out the yearly revenue and analyze the findings</b></p> <p>a.Create a column with Year field only give a suitable name to it</p> <p>b.Create a separate dataset from the data which will have two columns , one which is created in step a of this task and second the yearly sales / revenue</p> <p>c.Plot this dataset</p> <p>d.Describe your analysis for the yearly revenue observations.</p>
<b>Task 6</b>	<p><b>Finding out the monthly growth rate and analyse the findings</b></p> <p>a.Create a column in the monthly revenue dataset for monthly growth rate</p> <p>b.Find out the maximum monthly growth rate</p> <p>c.Plot the findings</p> <p>d.Describe the findings</p>
<b>Task 7</b>	<p><b>Finding out the most and least sold product id</b></p> <p>a.Create a new dataset including the product ids and total quantities sold for that id</p> <p>b.Find out the most sold product from the created dataset</p>
<b>Task 8</b>	<b>Finding out the customer who bought most and least from us in terms of quantity</b>

	<p>a.Create a dataset containing name and quantities bought</p> <p>b.Find out the customer name and quantity, who bought maximum in quantity</p>
<b>Task 9</b>	<p><b>Finding out the customer who bought most and least from us in terms of value</b></p> <p>a.Create a dataset containing name and sales generated by him</p> <p>b.Find out the customer name and sales, who bought maximum in value</p>
<b>Task 10</b>	<p><b>Finding out the majority and minority customer cities on basis of</b></p> <p>a. Number of customers</p> <p>b. Sales value</p> <p>c. Number of quantity sold¶</p>
<b>Task 11</b>	<p><b>Find out the most and least sold product category from the store</b></p> <p>a.Value based</p> <p>b.Quantity based</p>
<b>Task 12</b>	<p><b>Find out the most and least sold product sub category from the store</b></p> <p>a.Value based</p> <p>b.Quantity based</p>