

Programming for Data Science Assignment 1 Solution

Module: CT5198

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- I start by creating an empty list named `num_customers` to hold the daily customer amount.
- I use a for loop to iterate over a 7 day period, asking the user to input the number of customers for each day.
- Inside the for loop, a while loop makes sure the input is not a negative number, continuously prompting the user until the input is valid.
- The valid inputs are added to the `num_customers` list.
- I calculate the maximum number of customers in a day using the `max()` function.
- I determine the minimum number of customers in a day with the `min()` function.
- The average number of customers per day is calculated by dividing the sum of all daily counts by 7, using the `sum()` function and `len()` for the list length.
- I print the results for maximum, minimum, and average customer.