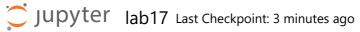
4/30/25, 7:24 PM lab17

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                                   Code
          ***********
   [1]:
         import pandas as pd
         categories = ['Groceries', 'Utilities', 'Rent', 'Transportation')
         expenses = [500, 200, 1200, 300, 150]
         expense_series = pd.Series(expenses, index=categories)
         print("Monthly Expenses:")
         print(expense_series)
         total = expense_series.sum()
         print("\nTotal Expenses:", total)
         average = expense series.mean()
         print("Average Expense:", average)
         max_category = expense_series.idxmax()
         print("Highest Expense Category:", max_category)
         min_category = expense_series.idxmin()
         print("Lowest Expense Category:", min_category)
         Monthly Expenses:
         Groceries
                            500
         Utilities
                            200
         Rent
                           1200
         Transportation
                            300
         Entertainment
                            150
         dtype: int64
         Total Expenses: 2350
         Average Expense: 470.0
         Highest Expense Category: Rent
         Lowest Expense Category: Entertainment
   []:
```