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```
[1]: import pandas as pd
categories = ['Groceries', 'Utilities', 'Rent', 'Transportation', 'Entertainment']
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

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