Module 9 Challenge

Analysis

The purpose of this Surf's Up analysis was to determine different weather statistics for summer and winter months in Hawaii, W. Avy e wants information about temperature so he wants temperature data for the months of June and December in Oahu, in order to determine if the surf and ice cream shop business is sustainable year-round. Based on this weather analysis our analysis can determine ideal months for surfing and icecream consumption.

Results

June Temperature statistics and analysis

The June temperature indicates that the average mean monthly temperature is 74.9 (F), the monthly max temperature is 85.0 (F) and the monthly min temperature is 64.0 (F).

|  | **June Temps** |
| --- | --- |
| **count** | 1700.000000 |
| **mean** | 74.944118 |
| **std** | 3.257417 |
| **min** | 64.000000 |
| **25%** | 73.000000 |
| **50%** | 75.000000 |
| **75%** | 77.000000 |
| **max** | 85.000000 |

December Temperature Statistics and Analysis

The December temperature indicates that the average mean monthly temperature is 71.0 (F), the monthly max temperature is 83.0 (F) and the monthly min temperature is 56.0 (F).

December

December Statistics

Count 1517.000000

Mean 71.041529

Std 3.745920

min 56.000000

25% 69.000000

50% 71.000000

75% 74.000000

Max 83.000000

Summary

The results show summer that higher number of ice cream sale in June compare to December