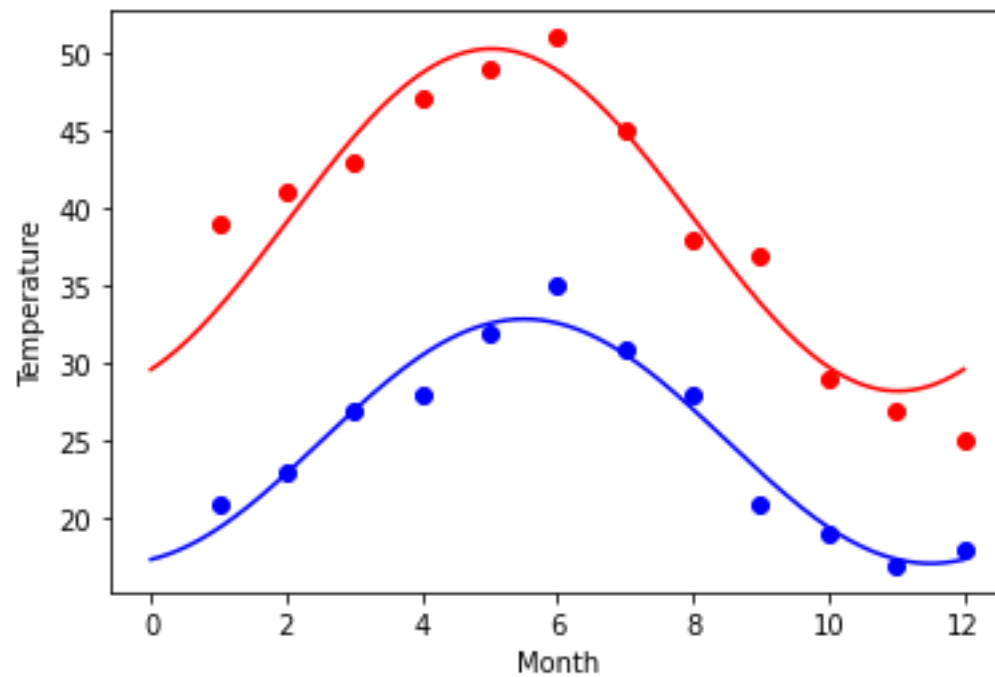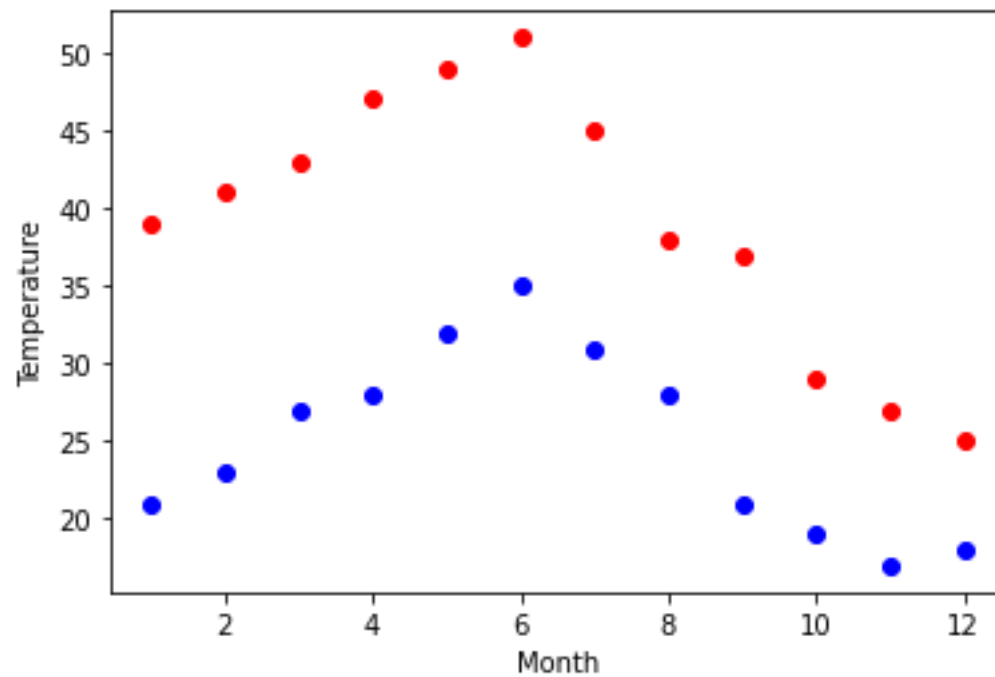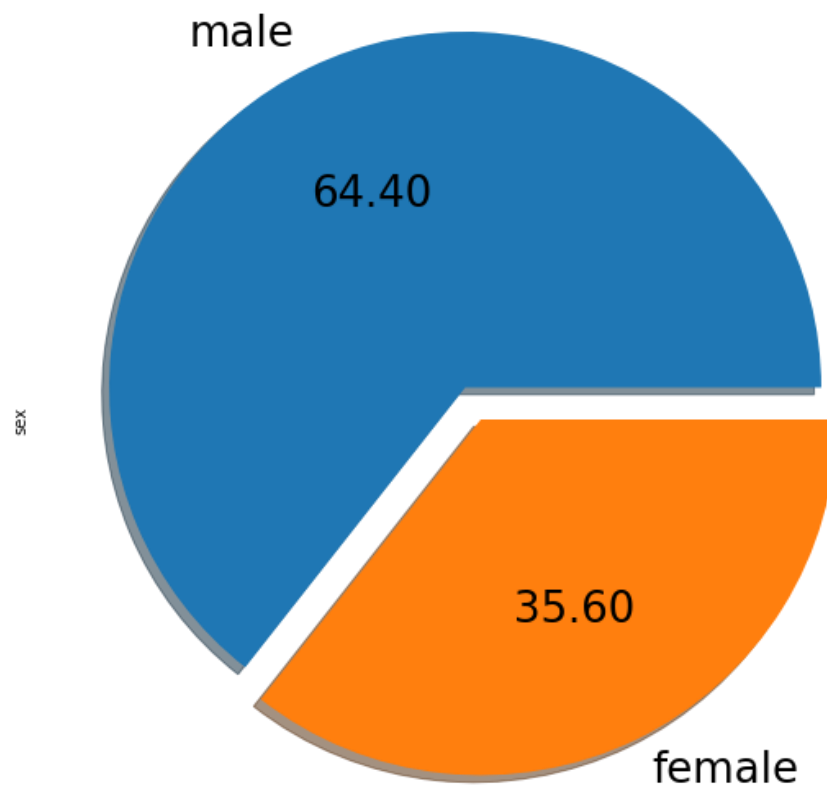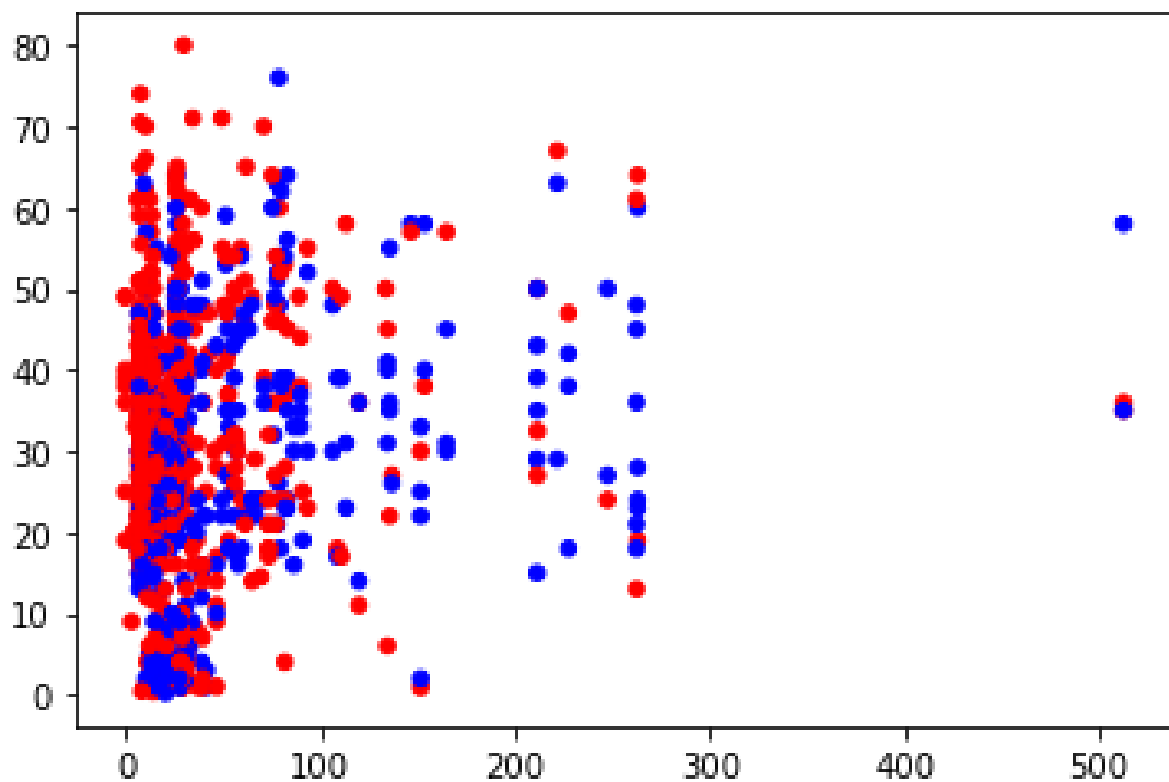# Output of 1st problem statement :

Output of 2nd problem statement:

By using matplotlib library:

By using seaborn library: