Quiz #6 (Plotting)

ENGR 102 (Spears)

Follow good coding practice as discussed in class, and include the standard header and useful code comments.

This past summer, while backpacking in Colorado, I completed an informal study of the mosquito population and reports of annoyance. The discovered mathematical formulae representing this data are:

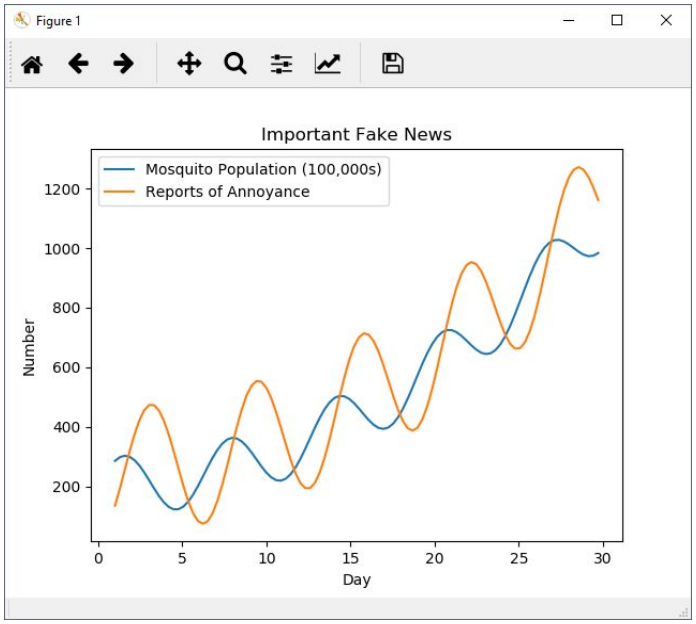
$$\text{Mosquito population} = 200 + x^2 + 100\sin(x)$$

$$\text{Reports of annoyance} = 250 + x^2 - 215\cos(x)$$

You are to create a Python program to plot these correlations.

- Ask the user for a starting day and ending day to plot.
- Solve for at least 100 values between these two points, and plot only the range indicated by the user.
- Your plot must include a title, axis labels and a legend.

An example plot is given below for a start day of 1 and end day of 30.



When finished, copy your code into the submission blank on eCampus.