Taylor Downey

HW 1
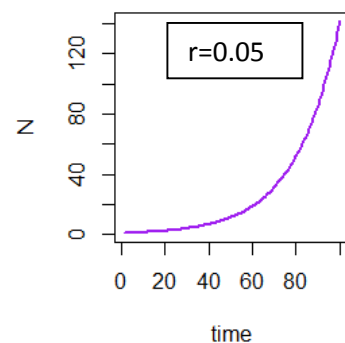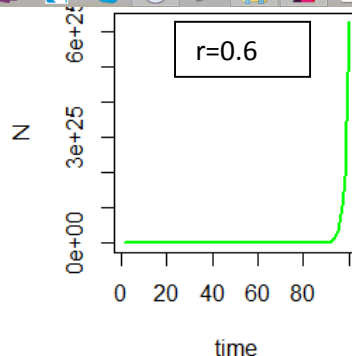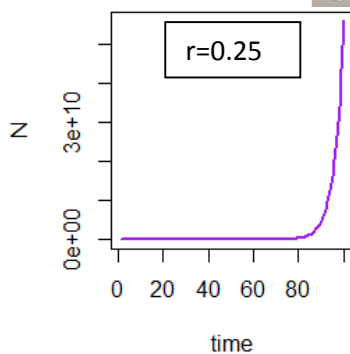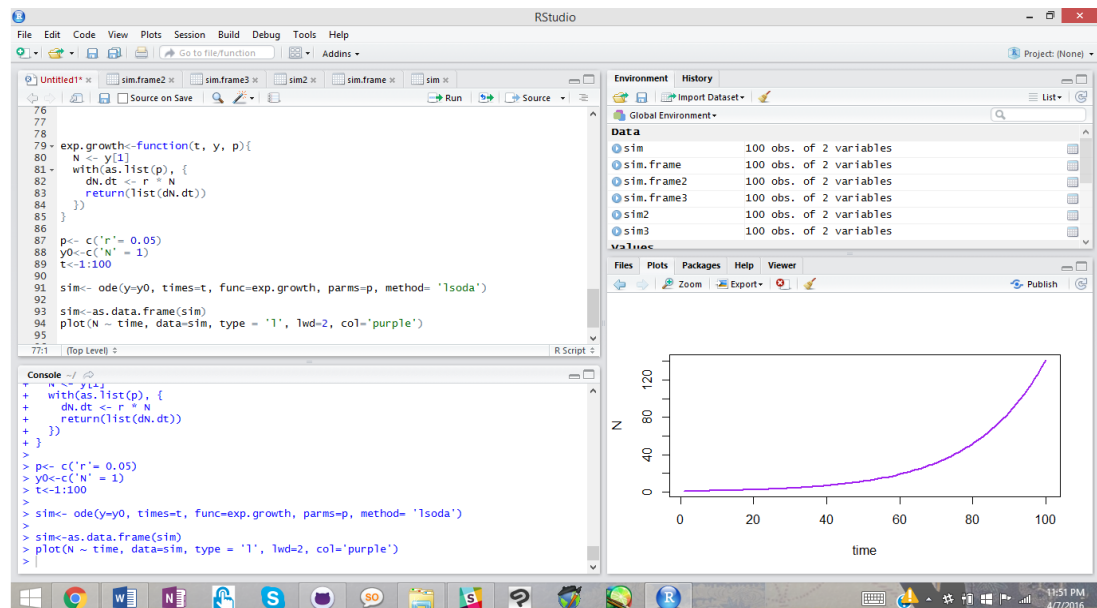
1) See document scan
   a. See second file labeled scan in folder (it would not attach into one document, same as for 2 and 3)
2) See document scan
3) See document scan
4) Common deaths that I can think of in the city of Eugene, OR would include car accidents, old age, and alcohol poisoning. All of these deaths are density-independent factors like indicated in problem 2. The only density dependent deaths (which I do not believe are common in Eugene) would be a lack of resources such as food, water, or even money (which is the exchange rate for those resources).
5) The mayflies die a mere few hours after maturing to adulthood and they also hatch together in batches. Thus the generational overlap is minimal to none and the overall life span of the mayflies (including egg and larva stages) would be about 3 years and 45 or so days. As such (and as stated in the textbook) it would be ideal to take recordings at specific times rather than over a large span with such sort lives and with the concise timing of hatching and mating.
6) Could not figure out how to do. I included my full unedited code, but it is as jumbled as my mind was when I was doing it.
7)

Attached files: