**HOMEWORK-1**

**BIOL 5385: Molecular Evolution.**

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**ASSIGNMENT SOLUTIONS**

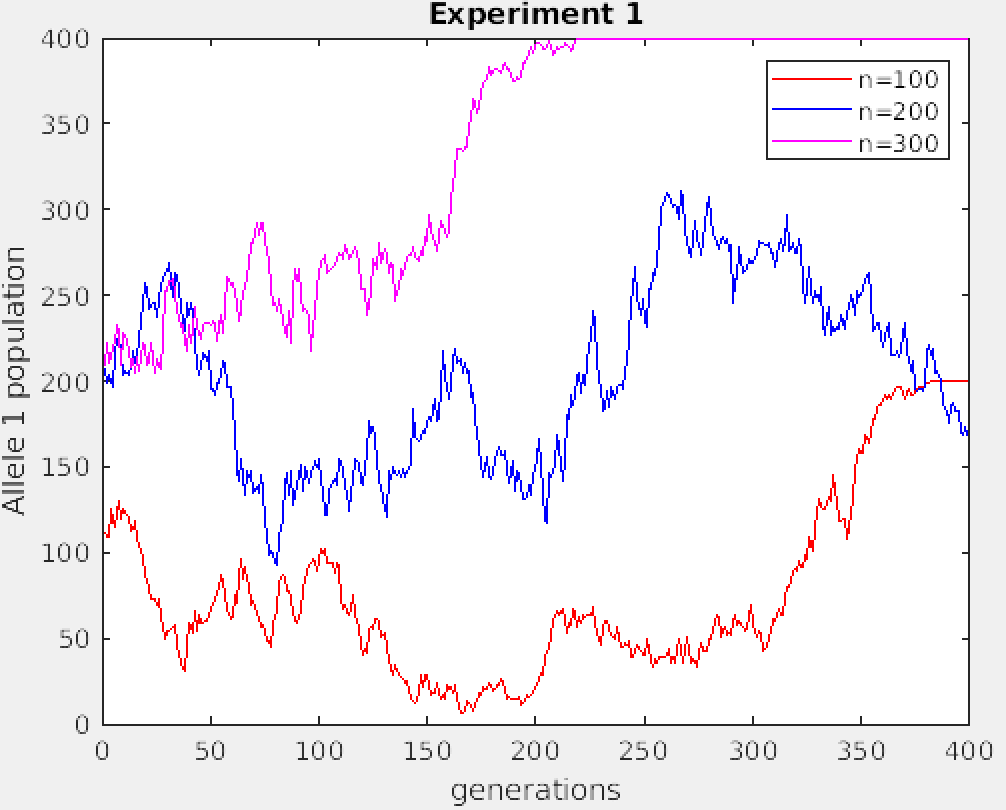
**NOTE:**

**MATLAB setup: MATLAB via giant using VPN as per the instruction given by tech department.**

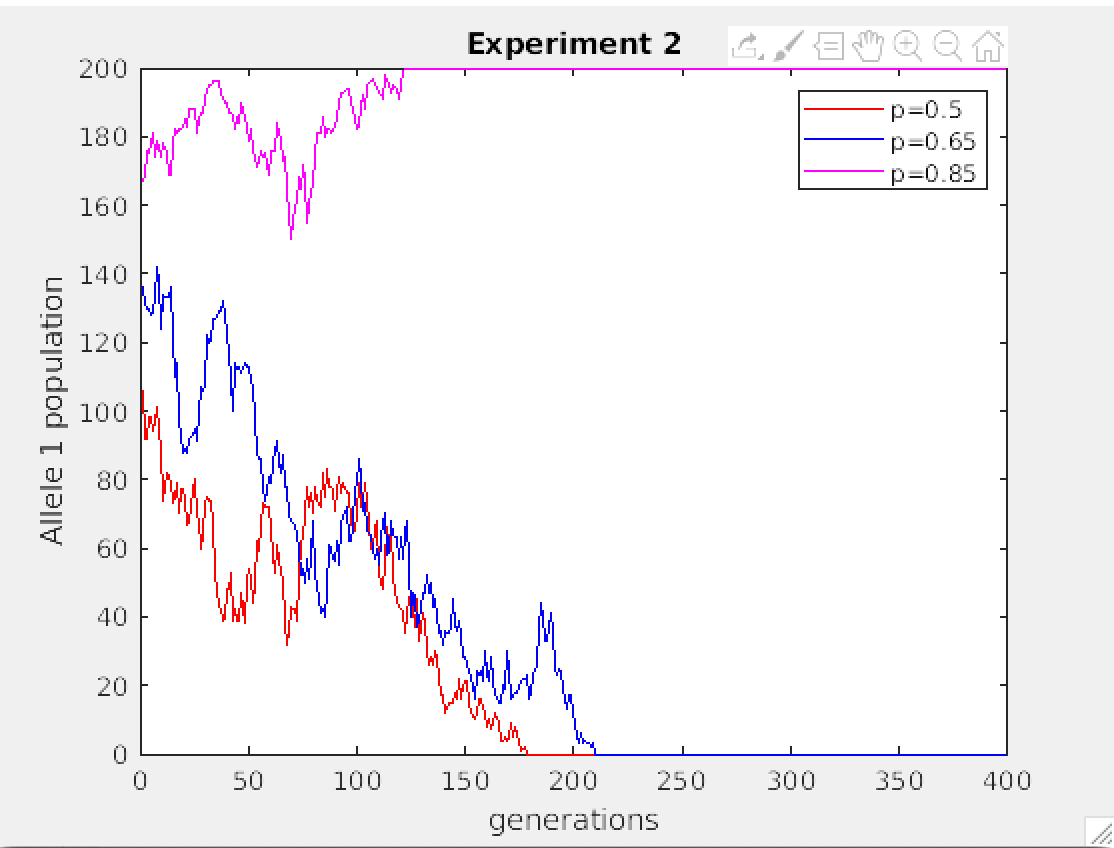
**ANSWER 1:**

Below is the demonstration of genetic drift script. Each experiment consist of 3 plots with 3 different values of population, generation and allele probability.

**CASE 1:** In this experiment, change the size of the **population** while the other parameters remain constant.

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**CASE 2:** In this experiment, change the size of the **probability** while the other parameters remain constant.



**CASE 3:** In this experiment, change the size of the **generation** while the other parameters remain constant.

