Gaussian Mean Estimation

Harsha a Chad yet calm boy wanted to have a good bayesian statistical knowledge so that he doesnt get tricked into the fallacy as was there in the last link provided xD. Help him understand the topic by completing the task below.

Problem:

Given below is the link to python notebook. All the cells have the instructions on what to do in the Markdown cells above every code cell.

Complete the task and submit it to the dropbox link that would be provided.

Notebook:

https://drive.google.com/file/d/11ad-Q_rtNbazkcISdLNtYZgVQ7Z9DSOr/view?usp=sharing

Json File:

https://drive.google.com/file/d/1qU3EPjo5SpZdeX3qjFgMnbGUMsrfF2FV/view?usp=sharing