

# STAT157 HW 4

Feb 14, 2022

**Due Monday, February 21 at 11:59pm**

## Deliberate Practice

### Lab

*Expected completion time: 120 minutes*

[Link to Jupyter notebook.](#)

Please follow the instructions in the notebook to print out your code and answers and submit to Gradescope. You may use languages other than Python, although we will generally be providing starter code in Python.

On Gradescope, please also submit the time it took to complete this exercise.

## Short-term Predictions

*Expected completion time: 120 minutes*

Register the following predictions. You can submit them by going to <https://forms.gle/q9RccKemxaRtrZ6o6> and following the form's instructions. For these predictions, (and all predictions about the future throughout this class), we encourage you to use external sources – by googling things, reading news articles, talking to friends who follow politics or music stats, etc.

0. Pick the same website, application, or software you chose last week, and predict how much time you will spend on it between 12:00am Tuesday February 15th and 11:59pm Sunday February 20th., as measured by your time-tracking app.
1. Will *Inventing Anna* be in the Netflix top 10 by End Of Day February 27?
1. Will Russia invade Ukraine before End Of Day February 27?

For each question, submit a mean and inclusive 80% confidence interval (or probabilities for questions 2 and 3), as well as an explanation of your reasoning (1-2 paragraphs). **Please include a copy of your google form responses with your Gradescope submission.** On Gradescope, please also submit the time it took to complete this exercise.

## Longer-term Predictions

Register the following predictions. Although they resolve in April, they will also count for the leaderboard. You can also submit them by going to [testurl](https://testurl) and following the form's instructions.

2 short-term questions:

Will Russia invade Ukraine before EOD Feb 27 (same resolution criteria as the metaculus question) 4 longer-term questions: Biden OSTP Will Disney CEO Bob Chapek be voted out on the board meeting of 3/9? <https://nypost.com/2022/02/07/outraged-disney-shareholders-want-ceo-bob-chapek-voted-out/> Will Delta airlines still require masks for all passengers in all domestic flights by EOD March 15th? (except passengers with disabilities or children ;2) Will Kanye West win a Grammy award in 2022? Meta (for extra credit): Given an 80

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- 1.

For each question, submit a mean and inclusive 80% confidence interval (or probabilities for questions 2 and 3), as well as an explanation of your reasoning (1-2 paragraphs). **Please include a copy of your google form responses with your Gradescope submission** (you don't have to take a screenshot, you can simply copy-paste your reasoning and responses into the file you submit on Gradescope). On Gradescope, please also submit the time it took to complete this exercise.