

Course Notes: Statistics 1401

Introduction to Python

UNG Mathematics

August, 2024

Initial Code Blocks

Today's 1st Code Block

```
from datascience import *
import numpy as np
import matplotlib.pyplot as plots
plots.style.use('fivethirtyeight')
import warnings
warnings.simplefilter(action="ignore", category=FutureWarning)
from urllib.request import urlopen
import re
def read_url(url):
    return re.sub('
s+', ' ', urlopen(url).read().decode())
```

Don't worry!! This is complicated stuff. Yet, all difficult code will be provided to you by your professors.

Graded Assignments

You course grade will be determined by scores on the following items:

- Labs
- Homework
- Chapter Quizzes
- Video Quizzes
- Weekly Quizzes
- Midterm
- Project
- Final Exam

Let's cover each of these in detail.

Labs

Most weeks we will have a lab due that emphasizes recently learning in the class. Due dates are typically over the weekend: Saturday or Sunday before midnight.

How to Do Well

Online Lab Help Sessions

We have three weekly lab help sessions. You may attend any of them.

- Wednesday 10 am (Velatini)
- Wednesday 6 pm (Sinn)
- Thursday 6 pm (Bailey)

We begin at question 1 of the lab, and we work together through every item on the lab. We stop any time there is a question to ensure everyone knows how to complete that item.

Homework

Most weeks we will have a homework due. You are expected to **complete HW on your own**.

How to Do Well

- Weekly lab help sessions
- Ask questions in class
- Teams
- Tutoring
- Office Hours (NOC 222):
 - MWF 1-2 PM
 - TR 9:30 - 11 AM
 - TR 12:30 - 2:00 PM

If you need help, ask for it.

Quizzes

We have three types of quizzes:

- 1 Chapter Quizzes
- 2 Video Quizzes
- 3 Weekly Quizzes

For video quizzes, you may have the video and quiz open at the same time!!

For chapter quizzes, you may interact with the textbook while taking the quiz!!

Weekly quizzes will be given in class on Thursdays and Fridays covering important points of learning. Attend class to get all the help you need to do well.

Topics for Today

Please take note:

- 1 What is cheating? What is legitimate help from a classmate?

Topics for Today

Please take note:

- 1 What is cheating? What is legitimate help from a classmate?
- 2 How to get help.

Topics for Today

Please take note:

- 1 What is cheating? What is legitimate help from a classmate?
- 2 How to get help.
- 3 How to navigate the UNG datahub.
- 4 How to take notes in class.

Getting to work in Python. Today's lesson in Notebook 1 provides several great examples of data analysis using classic novels like *Huck Finn* and *Little Women*.