

Gradescope Writeup Manual

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1 Introduction

1.1 Welcome

Useful link: <https://help.lsit.ucsb.edu/hc/en-us/articles/360041884592-Gradescope-and-Gauchospace-A-Quick-Guide-for-Getting-Started>

Welcome to **Data Wrangling for Economics**! This course will focus on students learning the basics of data cleaning and manipulation through the statistical software R. All homework and exams will have a coding component. To grade this, the class is utilizing a software called **Gradescope**. This software allows universities to automatically grade assignments including code. In this class, students will submit both their code and a brief writeup simulating real world data analysis. This manual will focus on the writeup aspect of their submissions.

After reading through the manual, you should know what Gradescope is, how to log in, and create a rubric.

This is a working draft of the manual. Please do not distribute. Please do not share this manual with current or potential students of **Data Wrangling in R**.

1.2 Gradescope

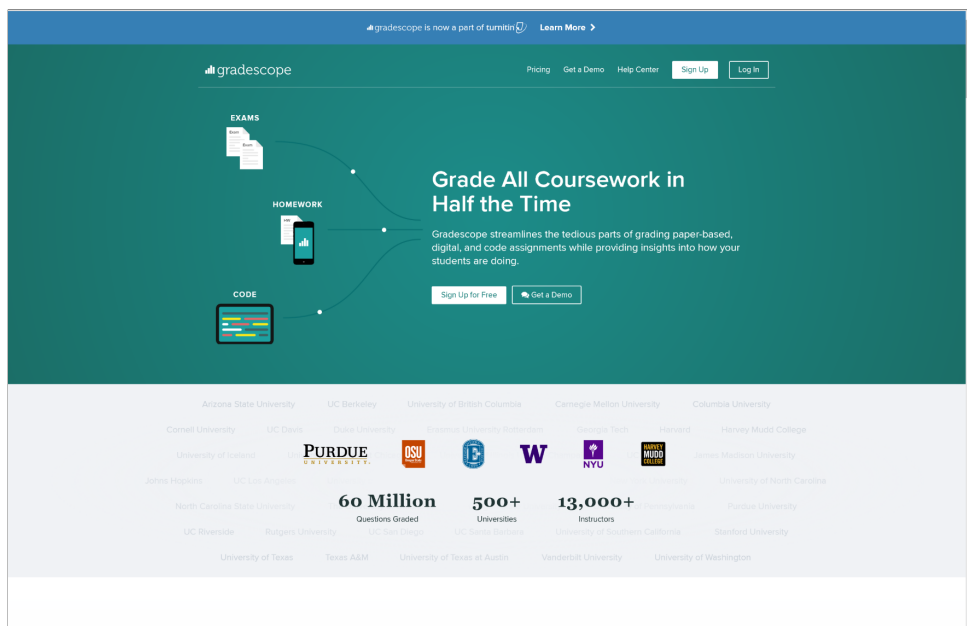
1.2.1 Intro

Gradescope is a 3rd party software designed to make grading faster and easier. Gradescope allows for all types of assignments to be graded. This class will focus on using Gradescope to grade student written assignments and code. We will be utilizing gradescope's autograder functions. Before delving into the autograder, this section will walk the reader through the basic navigation of gradescope. For the purposes of the manual, we will be working in the course "Practice". This section will explain:

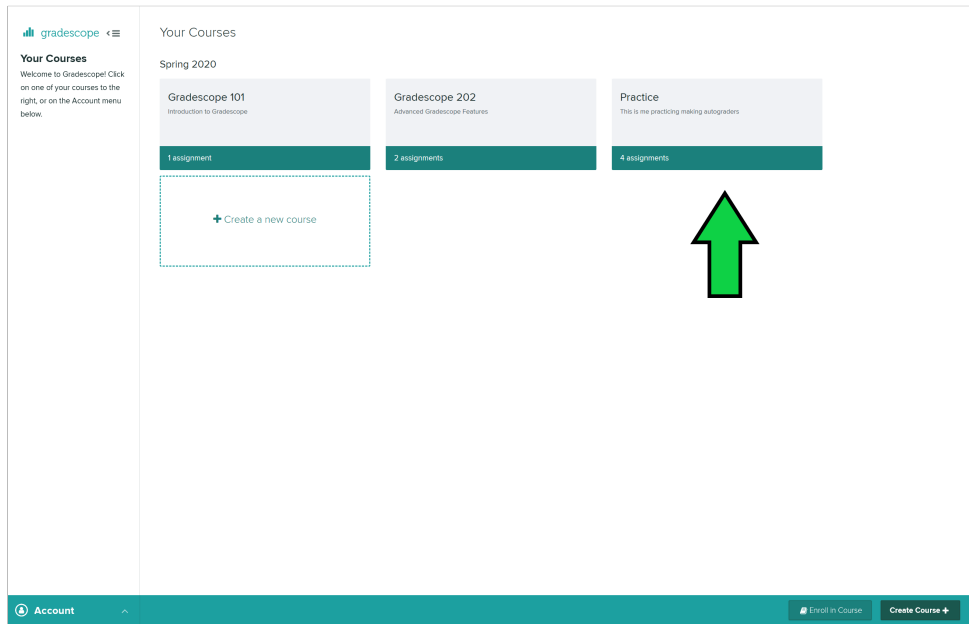
- (1) How to find and log into gradescope.
- (2) How to navigate to assignments.
- (3) How to setup new assignments.
- (4) Where to enter in the autograder.

1.2.2 Navigating Gradescope

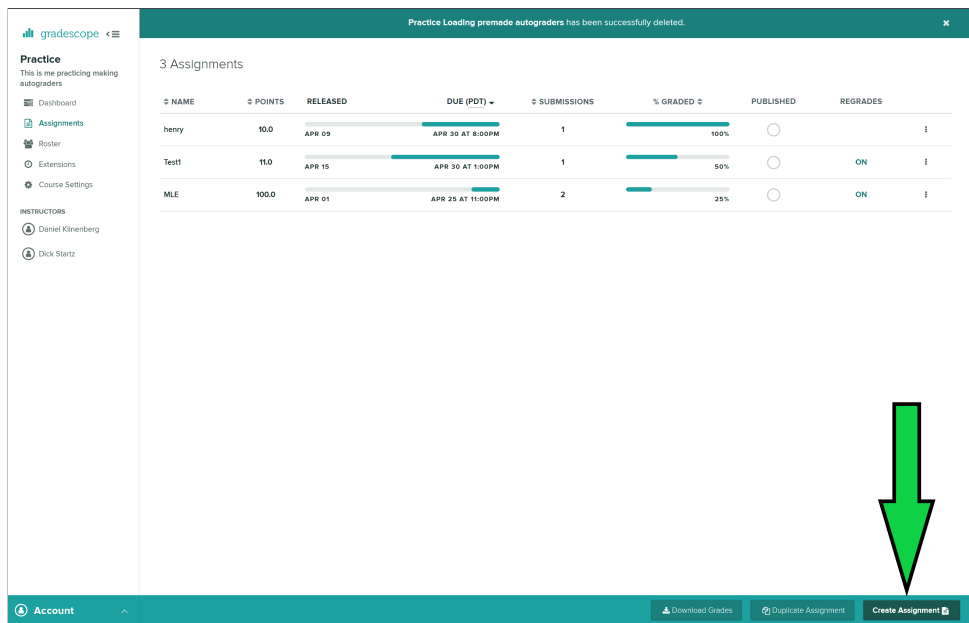
To begin, simply type in www.gradescope.com. If the user is not already logged in, they will be greeted with the following image:



Click the “log In” button in the top right hand corner. You will be redirected to a login screen. Click **School Credentials** and select UCSB. From there, you will log in using your **UCSB** login information. The page will then direct you here. Please click the relevant course (in our example, it is **Practice**):



1.2.2.1 Making a New Assignment Gradescope assignments are created using the button in the bottom right hand corner:



A popup box will ask what type of assignment is being created. Select **homework/problem set**, then click next.

Assignment Settings

ASSIGNMENT TYPE
 Homework / Problem Set

ASSIGNMENT NAME
 Homework Title Name

TEMPLATE
 Please select a file Select PDF

WHO WILL UPLOAD SUBMISSIONS?
☐ Instructor ☒ Student

RELEASE DATE (PDT)
 Enter Opening Date

DUE DATE (PDT)
 Enter Due Date

☐ Allow late submissions **LATE DUE DATE (PDT)**
 Click to set date & time

SUBMISSION TYPE
☒ Variable Length
 Students submit any number of pages and indicate the pages where their question responses are.
☐ Templated (Fixed Length)
 Students submit work where answers are in fixed locations (like worksheets).

GROUP SUBMISSION
☐ Enable Group Submission Limit Group Size: No Max

TEMPLATE VISIBILITY
☐ Allow students to view and download the template

Cancel Create Assignment

Annotations:
 - Green arrow from 'Upload Prompt' to 'Please select a file'
 - Green arrow from 'Set to Variable Length' to 'Variable Length'
 - Green arrow from 'Check this Button' to 'Allow students to view and download the template'

Fill in the **Assignment Name**, **Opening Date (PDT)**, **Due Date (PDF)** sections. For **Template**, upload the prompt sent to the students. check the **Template Visibility** and **Variable Length** options. This will allow students to download the prompt from gradescope and not constrain their essays to the length of the prompt. See the previous picture for a visual explanation. Click **Create Assignment**.

Now, you will be taken to the assignment page:

The screenshot shows the Gradescope interface. On the left, a 'Practice Assignment' is displayed with a prompt and three basic questions. On the right, the 'Outline for test exam' is shown, which is a rubric maker. It contains a table with columns for question number, title, and points. The table has three rows: a main question (1) with 1 point, a subquestion (1.1) with 1 point, and another main question (2) with 1 point. To the right of the third row, three icons are visible: a green 'A' with a plus sign, a red 'B' with a minus sign, and a green 'C' with a plus sign. Below the table is a '+ new question' button. At the bottom of the rubric maker are 'Save Outline' and 'Cancel' buttons.

Practice Assignment

2020-05-11

Prompt

You are working for a local retail firm. They have many, many clients and are interested in some basic information about them. The firm has supplied you with the excel sheet *Masterdata.csv*. They have also asked you to do some basic analysis on the dataset. You are asked to do the following:

Basic

- 1) How many missing values are there in each column? How many missing values are there total? Put your answers in a table.
- 2) How many unique states does the company operate in? Are there any typos in this column? If so, correct the typos. Save the corrections as *data.cleaned*. Unless otherwise told, work with *data.cleaned*.
- 3) Find the average invoice and the percent of invoices paid.

Advanced

Outline for test exam

2 points total

Create questions and subquestions via the + buttons below. Reorder and indent questions by dragging them in the outline.

#	TITLE	POINTS
1	Question title	1
1.1	Subquestion title	1
2	Question title	1

+ new question

Save Outline Cancel

The gray side bar on the right is the rubric maker. To update the rubric, simply click on “Question title” or “Subquestion title”.

When the mouse is hovered over a question, three symbols appear (labeled A, B, and C). Each symbol does the following:

- A) Allows the grader to make questions subquestions, questions, or rearrange the rubric. Subquestions are useful for partial credit.
- B) Remove a question.
- C) Add another question.

Once the rubric is created, click “Save Outline”. Don’t worry if the rubric is not complete. The rubric can be updated as you continue. Gradescope also does retroactive grading meaning that if you decide to change the point value of a question mid-grading gradescope will update all past graded papers.