

# Final Project: Project Planning

DSCI 222 – Data Science Workflow using Python  
School of Mathematical and Data Sciences  
West Virginia University

## Instructions

This is an individual project progress presentation, an opportunity to show your new technical and soft skills to solve a real problem. Let's Go!

- **Deliverables:** A recorded video presentation and a one-page report.
- All deliverables must be in a folder created in your Google Drive account. The folder's name follows this format: `DS_Project_X_LastName_FirstName`, where X represents the number of the project progress presentation.
- Set share folder permissions so `chood@mix.wvu.edu` can access and run every file and notebook.
- Include your **full name** at the top of your report.
- Include your report in PDF format, written in LaTeX.
- Everything counts! Include as much as you want in your deliverables, even if the activity is not fully complete by the deadline. *Important:* Review the grading policy and course policies in the online syllabus.
- **Total: 100 points.**

## Deliverable 1: Video Recording

Create a recorded video presentation of the current status of your project.

- **Duration:** Minimum 7 minutes, Maximum 8 minutes.
- Please show your face through your webcam while you share your screen and discuss your findings and progress.
- Attire matters during the presentation as it reflects professionalism.

Every item not followed will result in a penalty. Presentations with little engagement are usually a bad sign. Use this opportunity to convince others of the importance of your project.

## Minimum Expected Elements

- Problem statement (10 pts) – Clear explanation of the challenge/problem/issue, understandable for both general and specialized audiences.
- Literature review (10 pts) – How others have tried to solve this problem. If new, explain how it differs from existing work.
- Mathematical/Statistical aspects (10 pts) – Clear explanation of the mathematical and statistical aspects.
- Datasets (10 pts) – Description of dataset(s) to be used. Why chosen? Will multiple datasets be integrated?
- Plan (20 pts) – Clear explanation of your current plan for the rest of the semester, including a week-by-week schedule.
- Future challenges (10 pts) – Any foreseeable obstacles?
- Current progress (10 pts) – Description of your current progress.

Although future activities may deviate from the plan, aim to create a feasible and clear direction. Use figures, equations, and multimedia to strengthen your message.

**Deliverable: Video recording.**

## Deliverable 2: One-page Report

Write a one-page report addressing the following:

- Did you watch your video after your first recording? What were your first impressions? (5 pts)
- Are there ways in which your presentation skills can be improved? (5 pts)
- What did you like most about your video progress presentation? Did you learn anything new about yourself? (5 pts)
- What suggestion would you give to first-year students about to record their first project progress presentation? (5 pts)

**Deliverable: One-page report.**