

Project Instructions — Stage 09 Feature Engineering

Today's Project Contribution:

Today you'll complete a piece of your full data project.

This task aligns with the **Feature Engineering** stage, where you will:

- Create and select meaningful features to improve model performance.
- Add to your existing project repo (or update prior files).

By the end of this assignment, your project should include the elements listed below.

Deliverables:

Required:

- Script or notebook with engineered features (calculated fields or data transformations).

Optional:

- Document why you created each new feature and how it relates to the problem or domain knowledge.

How This Fits Into Your Final Project

- In your homework, you produced engineered features with reasoning.
- Now, you will adapt those and integrate them into your full project pipeline.

Before next class:

- Save files in `/src/` or `/notebooks/`
- Commit and push changes to GitHub
- Update project README with feature definitions

Explicit Chain *In your homework, you produced a clean EDA notebook with insights. Now, you will adapt those insights to propose feature ideas and justify preprocessing steps in the next stage. ""*
