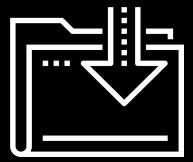
Capstone Project: Segment 1

Data Boot Camp

Lesson 20-1.2



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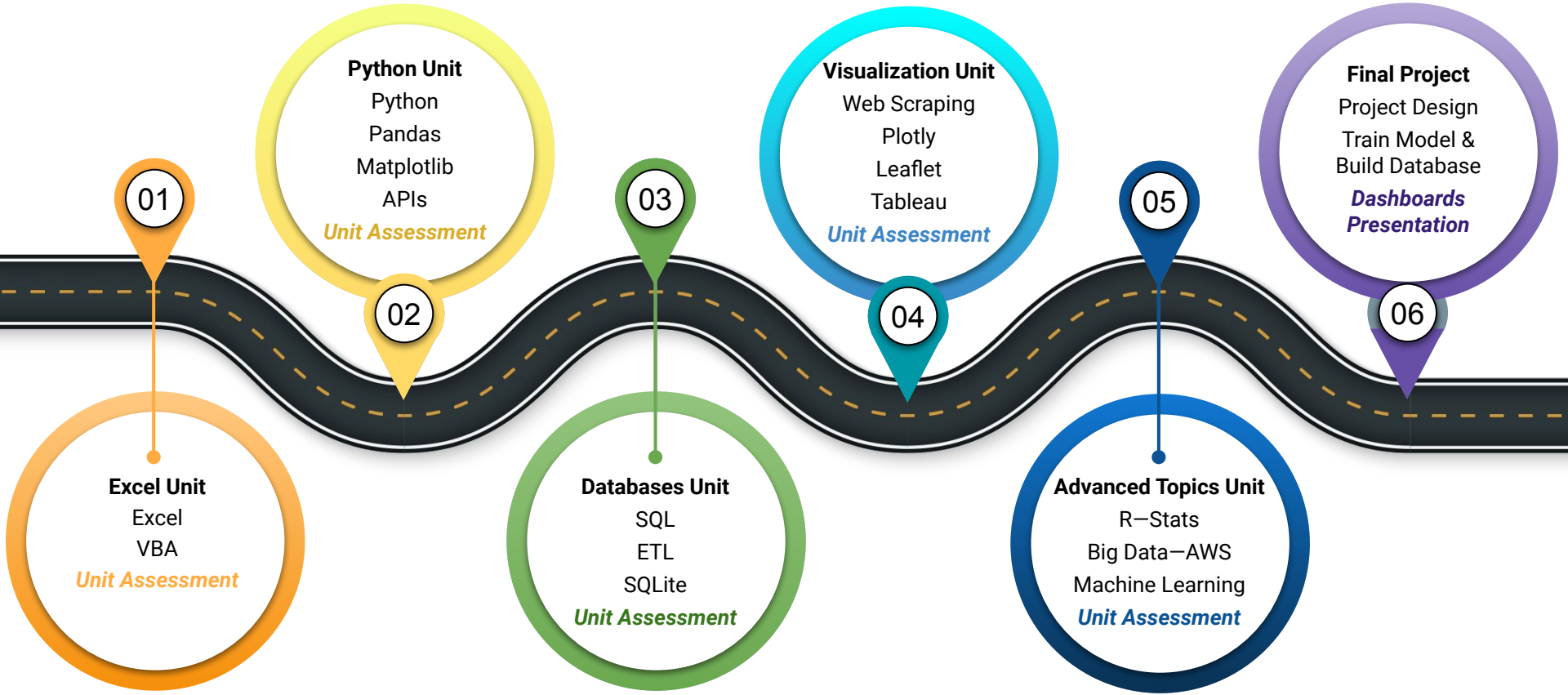
The Big Picture



This Week: Capstone Project

By the end of this week, you will:

- Decide on a topic for your project
- Find a dataset for your project
- Perform exploratory analysis on the dataset
- Create a database

Today's Agenda

By completing today's activities, you will be able to:

01 Present a project to stakeholders

02 Design a database using ERD

03 Design a machine learning model

Make sure you've downloaded any relevant class files!

Group Project Check-In

Group Project Check-In

You should have the following points completed:

- Created a mockup of a machine learning model.
- Created a mockup or fabricated database using an ERD.
- Created an outline for the final dashboard.
- Created branches on GitHub with working code for EDA.

Group Project Check-In

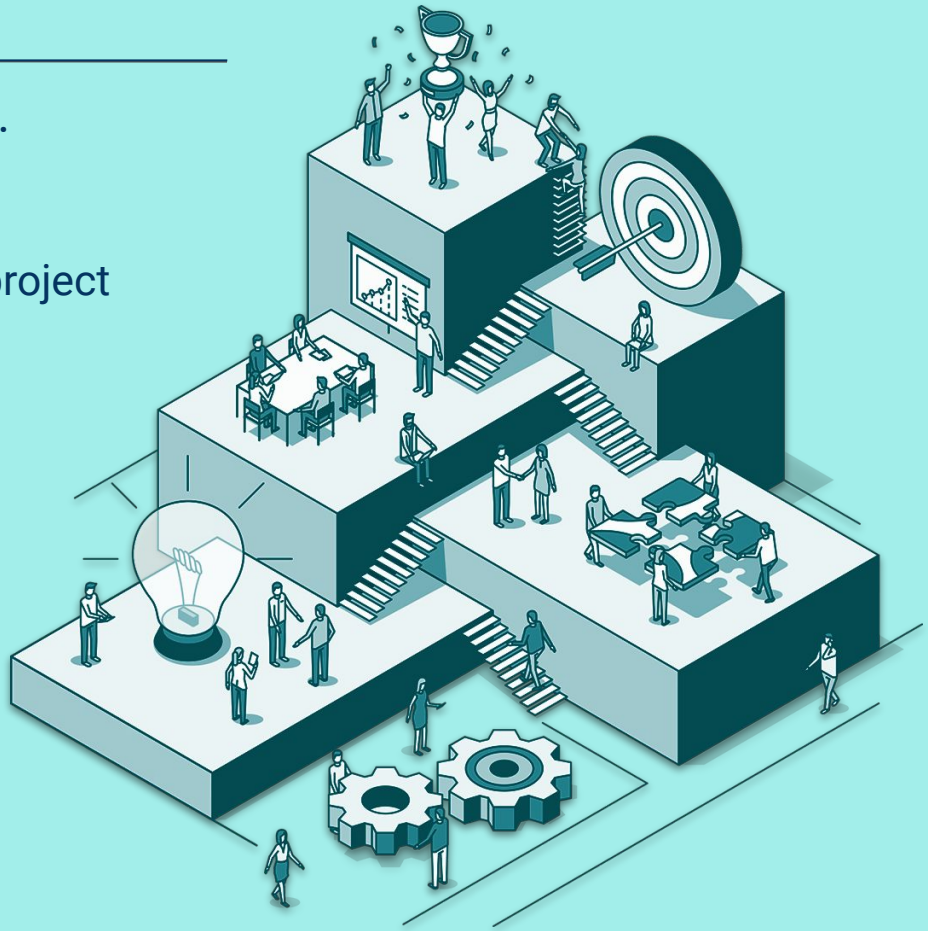
Collaboration is key for team success.

Assigning roles
Know who is working on what part of the project

Handling blockers
What work do you need others to finish before you can progress?

Using Github
- Creating branches
- Reviewing pull requests

Plan what needs to be done by next week



Today is a good chance to focus solely on group projects and working together. The instructional team will also go around to have the groups pitch their ideas.

Group Project Check-In

When a member of the instructional staff first approaches your group, you should be pitching your idea like you would to a shareholder.

Be prepared to talk about:

- What you hope to achieve
- What steps are being taken
- Your current progres
- What you plan on getting done by next week

Time to Code

Group Project Check-Ins

Suggested Time:

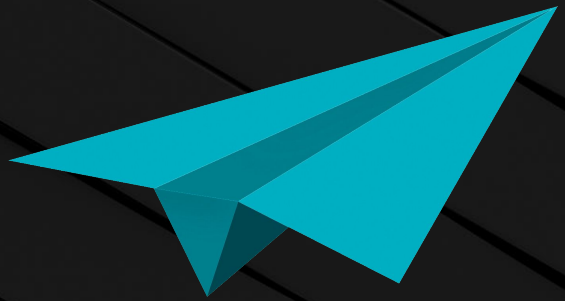
1 hour 35 minutes

Project Progression—Next Steps

Project Progression—Next Steps

For the next week's classes, you should have completed the following:

- The machine learning model should move from the mockup phase to the functioning phase.
- The database needs to move from the fabricated or mockup phase to the integrated phase.
- Create an outline for the final dashboard with a storyboard of visualizations.
- Continue using GitHub to create and merge code on branches.



Office Hours

30 minutes