



# Heroku Deployment and Project Work

Data Boot Camp  
Lesson 20-3.2



# The Big Picture



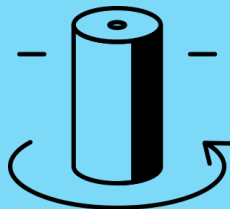
# Project Segments

## This Week: "Plug It In"



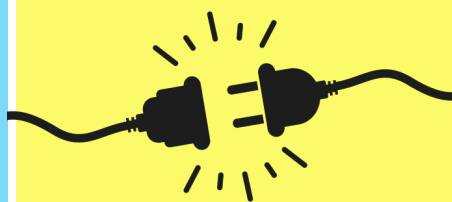
### Sketch It Out

Decide on your overall project, select your question, and build a simple model. You'll connect the model to a fabricated database using comma-separated values (CSV) or JavaScript Object Notation (JSON) files to prototype your idea.



### Build the Pieces

Train your model, and build out the database you'll use for your final presentation.



### Plug It In

Connect your final database to your model, continue to train your model, and create your dashboard and presentation.



### Put It All Together

Put the final touches on your model, database, and dashboard. Lastly, create and deliver your final presentation to your class.

# This Segment: Capstone Project

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By the end of this segment, you will be able to:



Demonstrate data visualization best practices



Explain the process of Heroku deployment



Create a professional presentation



Host a working model of your application on a website

Module 20

# Today's Agenda

# Today's Agenda

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By completing today's activities, you'll...

01

Develop and deploy a website on Heroku

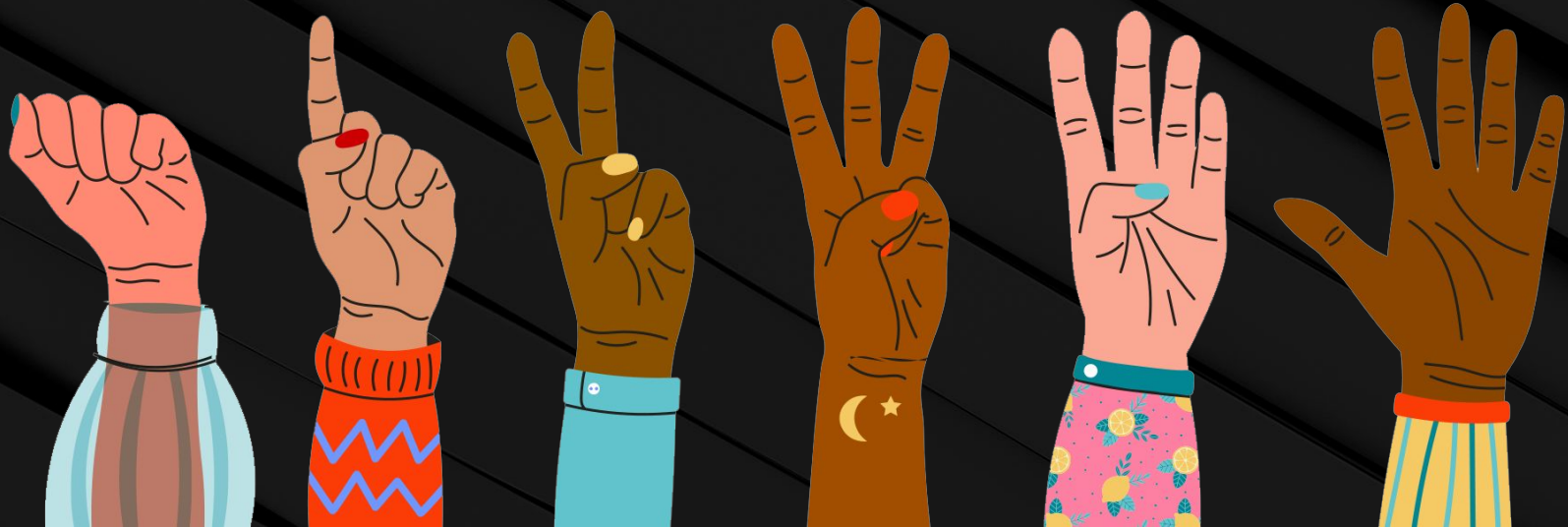


Make sure you've downloaded  
any relevant class files!

## FIST TO FIVE:

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How are you feeling about your progress on the final project so far?



# By this point

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At this stage in the project, you should have the following completed:

01

Database is finalized

02

A description of technologies used is included in presentation

03

A draft presentation has been created

04

Branches are merged, and new ones are created for this segment's tasks


05

Work on the final dashboard has begun



# Group Work

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<b>Everyone has assigned roles</b>	<ul style="list-style-type: none"><li>• Who's working on what?</li><li>• Who needs help?</li></ul>
<b>Handling blockers</b>	<ul style="list-style-type: none"><li>• Work you need others to finish before you can progress.</li><li>• Are there database or ML issues?</li></ul>
 <b>Using GitHub</b>	<ul style="list-style-type: none"><li>• Branches</li><li>• Pull requests</li></ul>
<b>Next week</b>	Plan for what needs to get accomplished by next week.

# Today's Class

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Today's class will consist of the following:

01

You'll work on your project with your group.

02

TAs and I will be circulating among the groups.

In the check-ins, you will show us the progress you have made as if we were shareholders.

03

In the check-ins, we will:

- Answer questions.
- Help you work through sticking points.

# Shareholder Update Pitch

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We'll spend some time with each group, and you'll show us the progress you have made so far on your project. Treat us as if we were shareholders at your employer.

This pitch/update should contain the following:



A draft of the Google slides



GitHub repo and `README.md` file with a description



A brief description of the performance of the machine learning model



Work done on the dashboard or storyboard



A summary of the project work that needs to be done by next week



# Time to Code

## Heroku Application Deployment

In this activity, you will gain experience in deploying an application, which you can then apply to your projects.

Suggested Time:

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30 Minutes



# Time to Code

## Group Project Check-ins

Suggested Time:

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1 hour and 5 minutes

# Project Progress

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For the next class, you will be working on the following:



Making sure the project README.md has a conclusion and all the visualizations



Merging all PRs that are vital to the project



Completing all peer reviews; confirming that all code meets the guidelines (e.g., PEP8 for Python); and checking that code is clear, concise, and documented



Making all the final touches to the dashboard and presentation