



PostgreSQL Database on AWS and Project Work

Data Boot Camp
Lesson 20-2.3



The Big Picture





Quick Tip for Success:

Don't forget to attend future Office Hours sessions for help if you have trouble in phases of setup and connection in AWS and PostgreSQL.

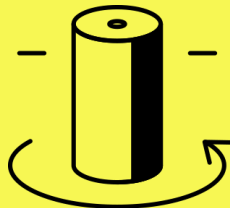
Project Segments

This Week: “Build The Pieces”



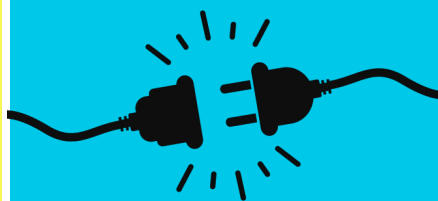
Sketch It Out

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

By the end of this segment, you'll will have:



Connected your machine learning model into the project



The mockup database is integrated and refined



Have all necessary GitHub branches merged



Create an outline or storyboard for the final dashboard

Module 20

Today's Agenda

Today's Agenda

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

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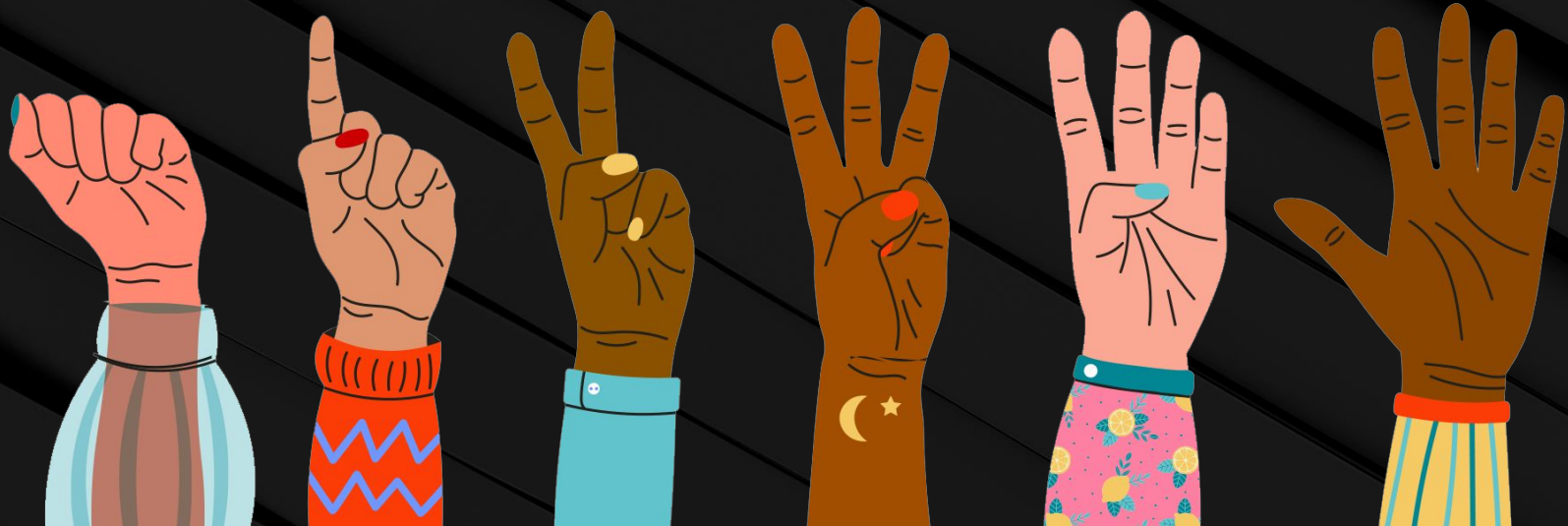
Create a connection to a PostgreSQL RDS database on AWS



Make sure you've downloaded
any relevant class files!

FIST TO FIVE:

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



PostgreSQL Database Creation and Connection on RDS



Time to Code

Create a PostgreSQL Database in RDS

In this activity, you will create a PostgreSQL database in RDS on Amazon Web Services.

Suggested Time:

15 minutes



Let's Review



Time to Code

RDS PostgreSQL and pgAdmin

Suggested Time:

15 Minutes



Let's Review



Time to Code

Final Project Development

Suggested Time:

1 Hour 15 Minutes



**Your instructor will be checking in
on your team's progress.**

Project Progress

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



Connecting your machine learning model to the project.



Optimizing the integration of the database into the project.



Cleaning up the GitHub repository—merging branches, removing unneeded files, such as testing code, and unused datasets.