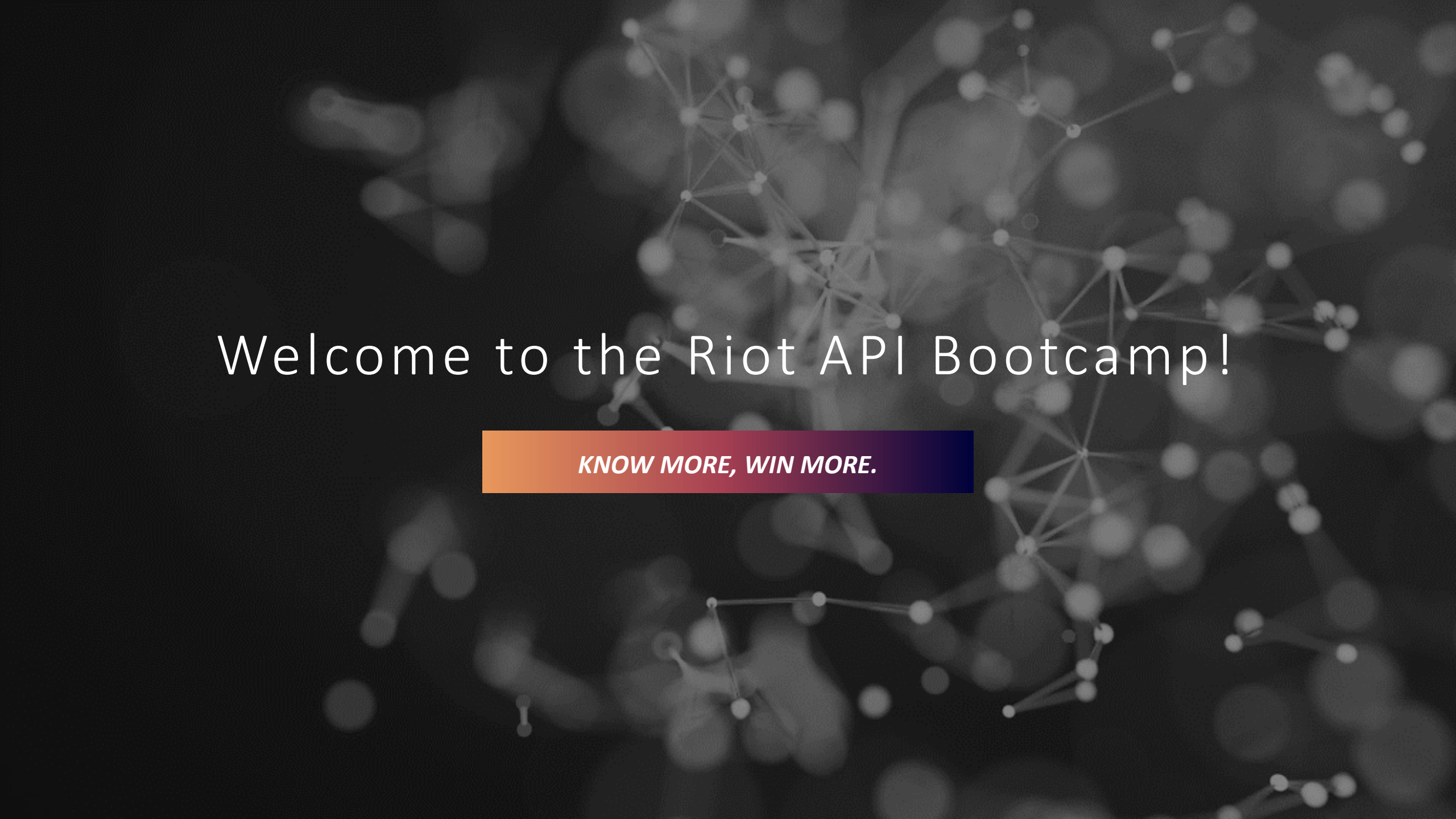
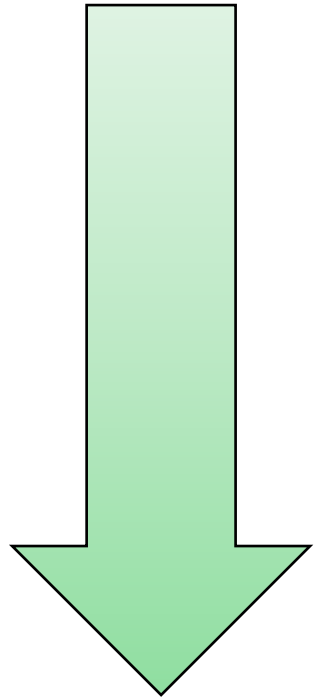

Welcome to the Riot API Bootcamp!
KNOW MORE, WIN MORE.

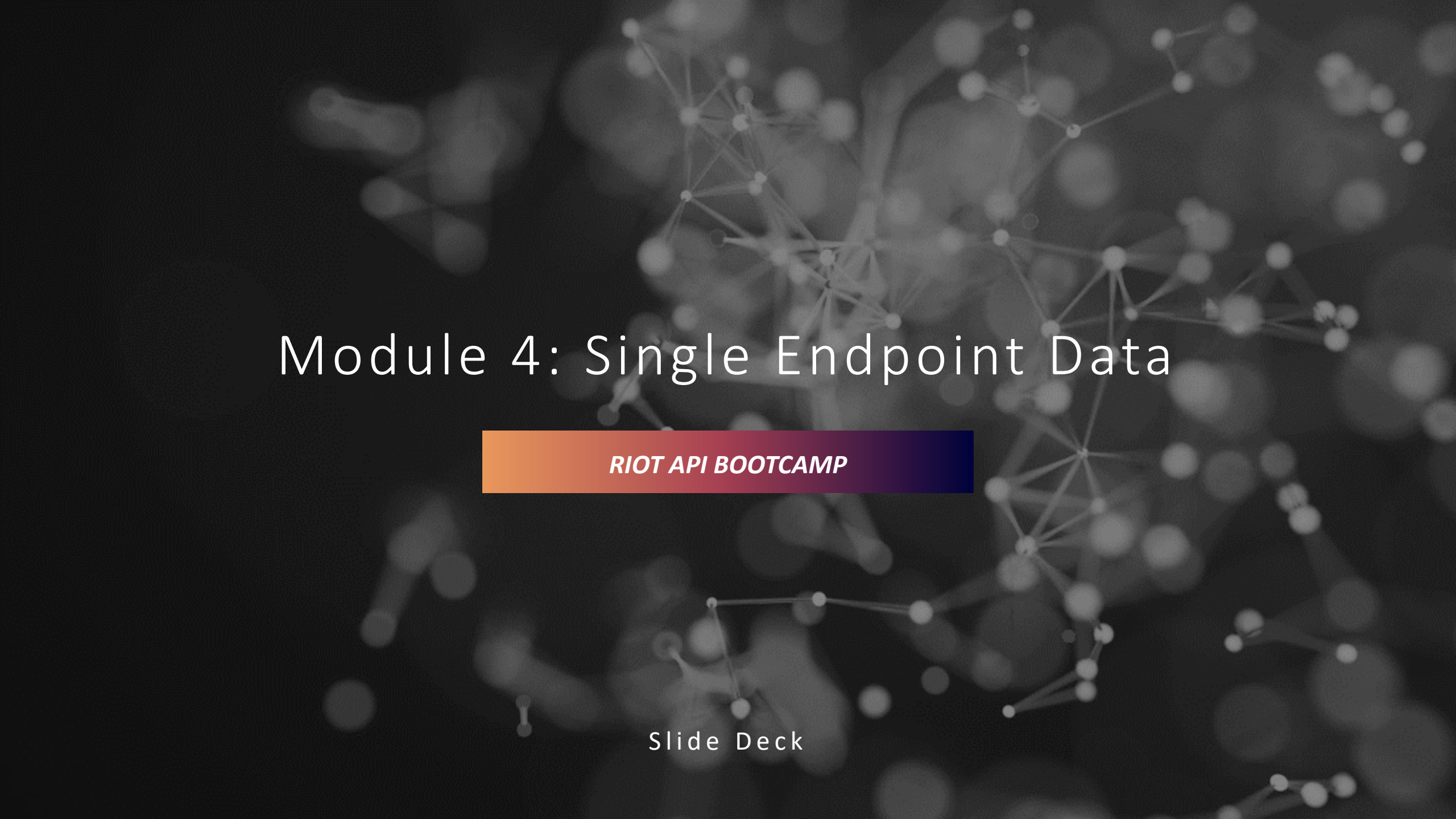
RIOT API BOOTCAMP SYLLABUS

1. **Basics (Python, GitHub, Notepad++)**
    1. Resources to get started
    2. Setting up an environment
    3. Downloading GitHub repos
    4. JSON explanation & Notepad++ example
    5. *Project: read csv file, convert to data frame, create graphs*
2. **Riot API introduction**
    1. What is an API?
    2. Getting access & Registering your App
    3. What end points are there/what data is available?
    4. Explanation of puuid/account name
    5. *Project: make an API call on the website & download the data*
3. **Automating API interactions**
    1. Introduction to libraries (Cassiopeia, Riot Watcher)
    2. Getting help (documentation, Discord)
    3. *Project: automate an API call using a library*
4. **Single Endpoint Data**
    1. Use case explanation (e.g., in-depth match analysis, leaderboards)
    2. Code example- getting challenger leaderboard
    3. *Project: request last 25 games for an account and determine the most common champion(s)*
5. **Large Scale Data Collection**
    1. Use case explanation (e.g., match history of top 50 players)
    2. Setting up a process pipeline
    3. Comparing 1 file approach vs. functions across files approach
    4. *Project: determine number of roles (TOP, MID, etc) on the challenger ladder using the last 5 games*

5 Modules covering core topics

Project at the end of each





Module 4: Single Endpoint Data

RIOT API BOOTCAMP

Slide Deck

MODULE 4: SMALL SCALE DATA

4. **Single Endpoint Data**
    1. Use case explanation
    2. Code example- getting challenger leaderboard
    3. *Project: request last 10 games for an account and determine the game duration(s)*

LET'S DIVE IN

USE CASE EXPLANATIONS

Small-scale data typically means:

- 1 account
- One or two endpoints
- Focus is on detailed data

Use case examples:

- In-depth match analysis
- Leaderboards
- Tracking player progression

Checking your profile on a stats website is the most common application of small-scale data *(the Riot API gives more than what they show you though!)*

SMALL SCALE DATA EXAMPLE

DEMONSTRATION with

/lol/league/v4/challengerleagues/by-queue/{queue}

Request challenger ladder, look at entries

LEAGUE-V4

Collapse Operations | Expand Operations

GET /lol/league/v4/challengerleagues/by-queue/{queue} Get the challenger league for given queue.

Jump to Inputs

RESPONSE CLASSES

Return value: LeagueListDTO

LeagueListDTO

NAME	DATA TYPE	DESCRIPTION
leagueId	string	
entries	List[LeagueItemDTO]	
tier	string	
name	string	
queue	string	

QUESTIONS?

Contact me

RebirthNA#2359

@LoL-Genius

417devops@gmail.com

It is my hope that this course is easy to understand and follow

Have a question or want additional details? Just reach out!

If you want to know more about my work (LoL Genius) or have questions about something you're building, LMK!