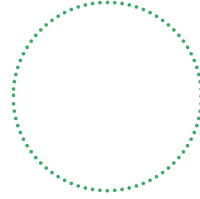




**ADVANCING  
ANALYTICS**



# Advanced Spark

For Data Engineers

**Data Platform**  
NEXT STEP



# Who are we?



Falek Miah



Zach Stagers



# Who are Advancing?



## Background



- Established in 2018
- Over 80 staff
- London UK, Philadelphia US, Lisbon EU
- Operating in 10+ countries

## Global Customers



## Recognition



7 Microsoft MVPs



11 Databricks Champions



2 Databricks MVPs

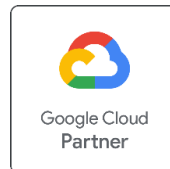


Lakehouse Brickbuilder



Fabric Launch Partner

## Partnerships



# Our assumptions about you!



To develop this course to cater to a broad range of people, we've had to make some assumptions about what people may or may not already know.

- You have a basic understanding of what Spark is.
- You have worked with notebooks previously.
- You have used PySpark to read, transform, and write data to a basic level.
- You have a basic understanding of storage formats such as JSON, CSV, Parquet, and Delta.
- You probably have more familiarity with SQL than Python.
- You want to take the **next step** and learn a few advanced techniques.

<https://www.advancinganalytics.co.uk/dpns-2025>





# Agenda

- ◆ General Introduction
- ◆ Dynamic Reading & Writing
- ◆ Data Transformations
- ◆ Operational & Secret Management
- ◆ Unity Catalog and Governance
- ◆ Performance Tuning

# Housekeeping

- Start: 9:00
- Break: 10:30
- Lunch: 12:30–13:30
- Break: 15:00
- End: 17:00
  
- Any other logistics?

# Questions



- ◆ Raise a hand and ask questions at any time.
- ◆ This session is for you, so ask any questions you want!\*
- ◆ \*can't promise we'll have all the answers!



Ready to join?

Join at **kahoot.it** and enter the game PIN

88  
Players

Kahoot!

Start

Kahoot!

Kahoot!

Game PIN

Enter

Kahoot!

Game PIN

Enter

Kahoot!

Game PIN

Enter

Play with the new Kahoot! app

