

WIZELINE ACADEMY

BIG DATA ENGINEERING WITH SPARK

AUG 13 - SEPT 6, 2018



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WELCOME!

LOCATION

Wizeline GDL Office
[Av Mariano Otero 408,](#)
Jardines del Sol, 45050
Zapopan, Jal.

The gate of the Office Campus is right in front of a Mazda Car Dealership. Your name will be at the security desk, tell them you're going to "Wizeline Building #1" and please, bring an ID with you.



HOW TO GET TO WIZELINE BUILDING 1?

To access to office:

- Go to the security booth at the main entrance.
- Fill the registration form.
- Provide a photo ID.
- You will receive a visitor's badge. You must carry the badge at all times inside the park.
- Hover your visitor's badge over the square sensor and go through the security gates.
- Continue walking straight 2 blocks and turn left to reach Wizeline's Building #1.



NOTES

- If you are arriving by car, ask the security guard for permission to park in the parking lot.

To exit the office:

- Return your visitor's badge.



AGENDA

Week 1 - Spark Basics

MONDAY, AUGUST 13

- 6:30 - 7:00 PM
Reception @Wizeline GDL Building #1
- 7:00 - 9:00 PM
Spark: Hello World & Architecture

THURSDAY, AUGUST 16

- 6:45 - 7:00 PM
Reception @Wizeline GDL Building #1
- 7:00 - 9:00 PM
Map-Reduce Theory & Fault tolerance



AGENDA

Week 2: Operations

MONDAY, AUGUST 20

- 6:45 - 7:00 PM

Reception @Wizeline GDL Building #1

- 7:00 - 9:00 PM

Actions, Transformations and Caching

THURSDAY, AUGUST 23

- 6:45 - 7:00 PM

Reception @Wizeline GDL Building #1

- 7:00 - 9:00 PM

Aggregation Operations, and Key-Values in:
Dataframes and Datasets



AGENDA

Week 3: Partitioning and Shuffling

MONDAY, AUGUST 27

- **6:45 - 7:00 PM**
Reception @Wizeline GDL Building #1
- **7:00 - 9:00 PM**
Intro to Shuffling and Partitioning

THURSDAY, AUGUST 30

- **6:45 - 7:00 PM**
Reception @Wizeline GDL Building #1
- **7:00 - 9:00 PM**
Shuffling Optimizations



AGENDA

Week 4: Structured Data

MONDAY, SEPTEMBER 3

- **6:45 - 7:00 PM**

Reception @Wizeline GDL Building #1

- **7:00 - 9:00 PM**

Joins and Broadcast Variables

THURSDAY, SEPTEMBER 6

- **6:45 - 7:00 PM**

Reception @Wizeline GDL Building #1

- **7:00 - 9:00 PM**

SQL and more



REQUIREMENTS

- Take a look at the Survival Kit to know all the prerequisites and the technologies that we will be using during the course.
- Bring your laptop
- Be punctual, registering and getting access to Wizeline Building #1 will take you about 10 minutes.



WIZELINE ACADEMY

STRIVES TO:

- Be friendly and patient.
- Be welcoming: We strive to be a community that welcomes and supports people of all backgrounds and identities.
- Be respectful: Not all of us will agree all the time, but disagreement is no excuse for poor behavior and poor manners.
- Be careful in the words that you choose: we are a community of professionals, and we conduct ourselves professionally.



SEE YOU SOON!

- The Wizeline Academy Team