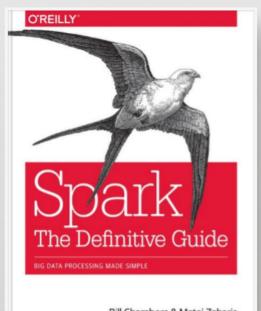
## Spark the Definitive Guide 2nd Edition

Chapter 06

Working With Different Types of Data

# Basic Structured Operations

### Text Book



Bill Chambers & Matei Zaharia

### Objectives and Outcomes

- Understand how to build expressions using typed data
- Understand how to use:
  - Booleans
  - Numbers
  - Strings
  - Dates and Timestamps
  - Nulls
  - Complex and user types

#### Review

#### ► So far:

- We covered basic DataFrame operations.
- We learned the simple concepts and tools that you will need to be successful with Spark DataFrames
- ▶ We learned what an expression is
- We learned the difference between Select and SelectExpr
- We learned how to add columns and rows to a DataFrame
- ▶ We learned how to take random samples from DataFrames

### Conclusion

► This chapter covered:

### Questions

- ► Any questions?
- ▶ Read Chapter 07 and do any exercises in the book.