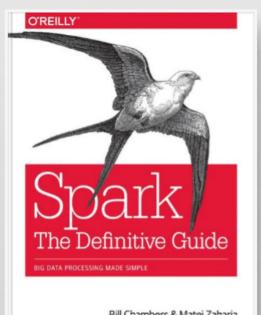
## Spark the Definitive Guide 2nd Edition

Chapter 07

Aggregations



#### Text Book



Bill Chambers & Matei Zaharia

# Objectives and Outcomes

#### Review

- ► So far:
  - We learned how to build expressions using typed data
  - We learned how to use:
  - Booleans
  - Numbers
  - Strings
  - Dates and Timestamps
  - Nulls
  - Complex and user types

## Conclusion

► Conc goes here

### Questions

- ► Any questions?
- ▶ Read Chapter 08 & 09 and do any exercises in the book.