Data Intensive Computing - Review Questions 4

Deadline: September 25, 2020

- 1. 1 point. What is DStream data structure, and explain how a stateless operator, such as map, works on DStream?
- 2. 1 point. Explain briefly how mapWithState works, and how it differs from updataStateByKey.
- 3. 1 point. Explain how Spark streaming and MillWheel provide fault tolerance?
- 4. **2 points.** Through the following pictures, explain how Google Cloud Dataflow supports batch, minibatch, and streaming processing.





