Streaming System



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Streaming Processing System

Streaming Processing Systems

Event Producer



Apply SQL queries continuously on streaming data

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Queries on Streaming Data



Bound your queries using a window & apply operations over that window. (e.g. *aggregating*, *adding*, *removing* data)

Session Window

Fixed-time Window

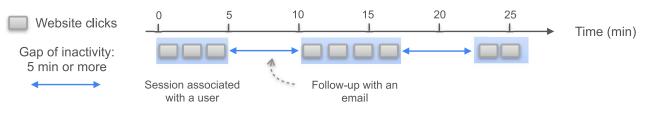
Sliding Window

Queries on Streaming Data



Bound your queries using a window & apply operations over that window. (e.g. *aggregating*, *adding*, *removing* data)

Session Window



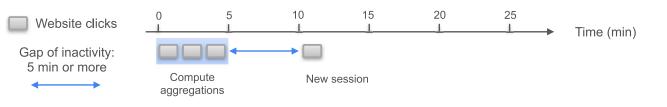
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Queries on Streaming Data



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Session Window



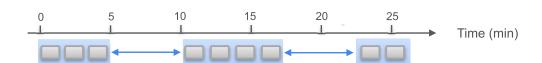
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Queries on Streaming Data



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Session Window

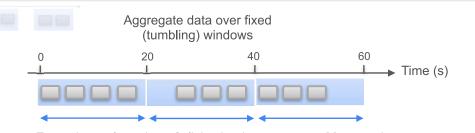


Queries on Streaming Data

Windowed Query

Bound your queries using a window & apply operations over that window. (e.g. *aggregating*, *adding*, *removing* data)

Fixed-time Window



Example: total number of clicks that happen every 20 seconds

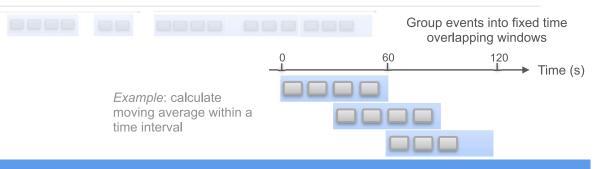
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Queries on Streaming Data

Windowed Query

Bound your queries using a window & apply operations over that window. (e.g. *aggregating*, *adding*, *removing* data)

Sliding Window



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Joining Data Streams

