



**Materialize**































































Like an OS for streaming  
data-parallel compute

Language for low-latency  
incremental computation



SQL92 wrapper

How is this implemented?

# Differential

# Timely Dataflow



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the 1990s, the number of people in the UK who are employed in the public sector has increased by 1.5 million, from 2.5 million in 1980 to 4 million in 1995. The public sector has become a major employer in the UK, and its growth has been a major factor in the overall growth of the economy.

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the 1990s, the number of people in the world who are undernourished has increased from 600 million to 800 million.

There are a number of reasons for this. First, the world population has increased by 1.5 billion in the last 20 years. Second, the number of people who are undernourished has increased by 200 million in the last 20 years. Third, the number of people who are undernourished has increased by 200 million in the last 20 years. Fourth, the number of people who are undernourished has increased by 200 million in the last 20 years. Fifth, the number of people who are undernourished has increased by 200 million in the last 20 years.

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 maintain a stable currency. This  
 has led to a loss of confidence  
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 consequent loss of support  
 from the people. The second  
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 has been unable to maintain  
 a stable economy. This has  
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 is the fact that the government  
 has been unable to maintain  
 a stable society. This has  
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