## Big Data Dimension Reduction using PCA

Xuelong Wang

22 November, 2017

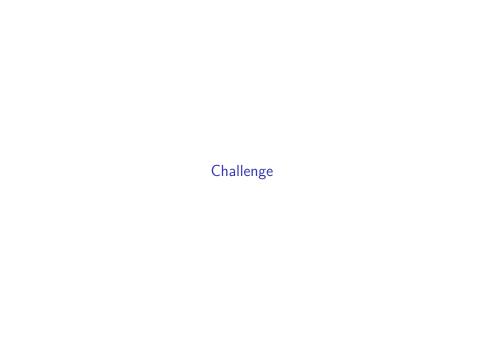
Introduction

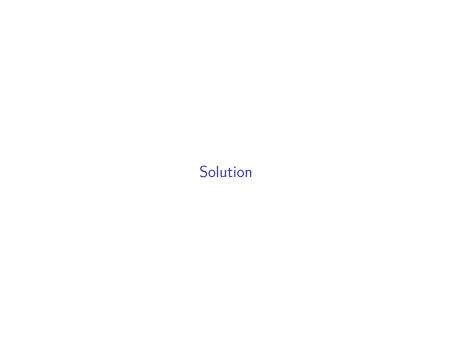
Classical PCA

PCA for Big Data

Simulation

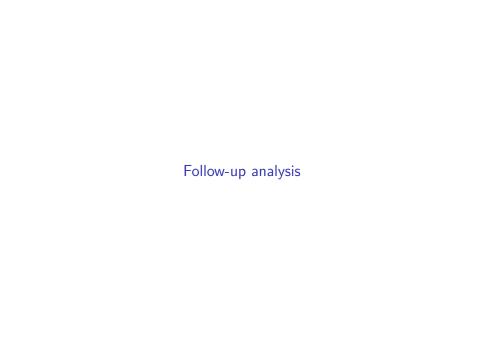




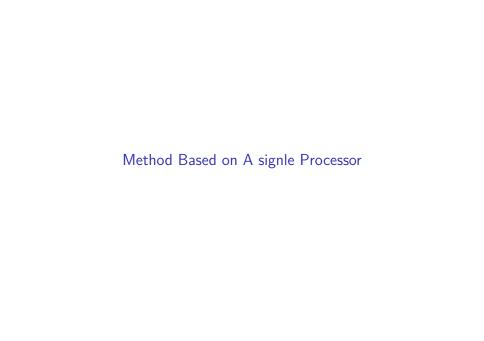


## Classical PCA

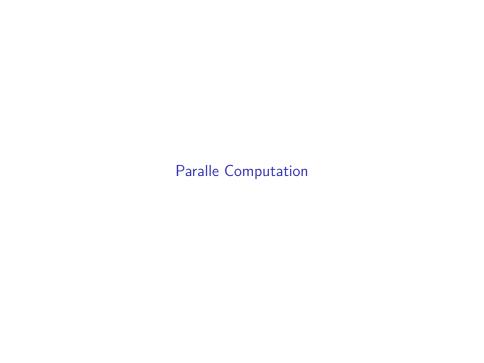




PCA for Big Data



## Sufficient Statistics



## Simulation

Reference