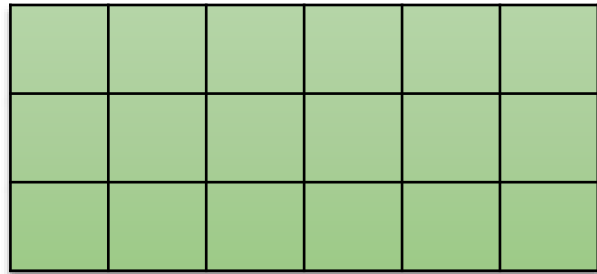
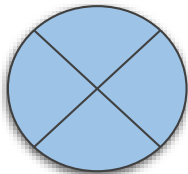
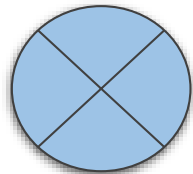


Shared Model
Parameters

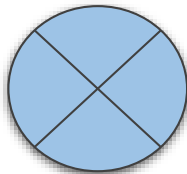


$$\boldsymbol{\omega}^s = \boldsymbol{\omega}^{s-1} + \sum_{p=1}^P \Delta_p$$

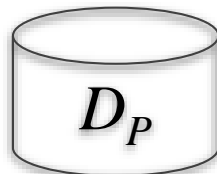
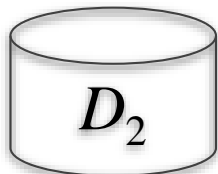
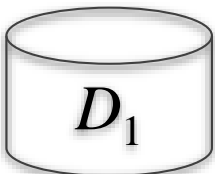
Data-Parallel
Workers



...



Data
Partitions



$$\boldsymbol{\omega}^{s-1} \quad \Delta_P = \Delta(\boldsymbol{\omega}^{s-1}, D_P)$$