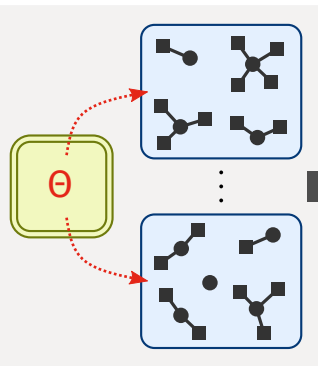
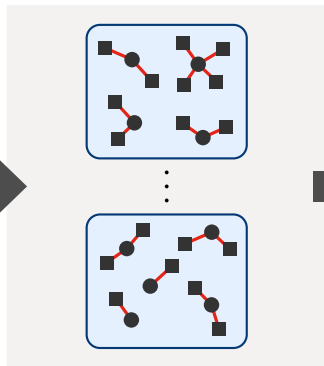


Step 1



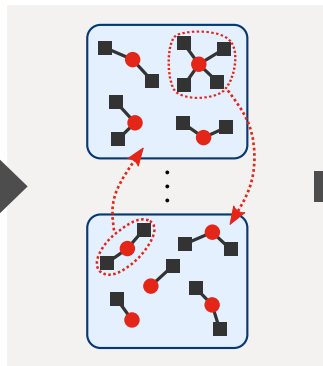
Update Θ on the master and broadcast to the workers.

Step 2



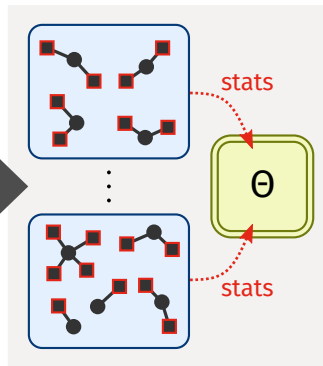
Update Λ on the workers. Records may only link to entities within their assigned partitions.

Step 3



Update \mathbf{Y} and Γ on the workers. Move the entities and records to their newly-assigned partitions.

Step 4



Update \mathbf{Z} , then calculate summary stats on the workers. Broadcast to the master.