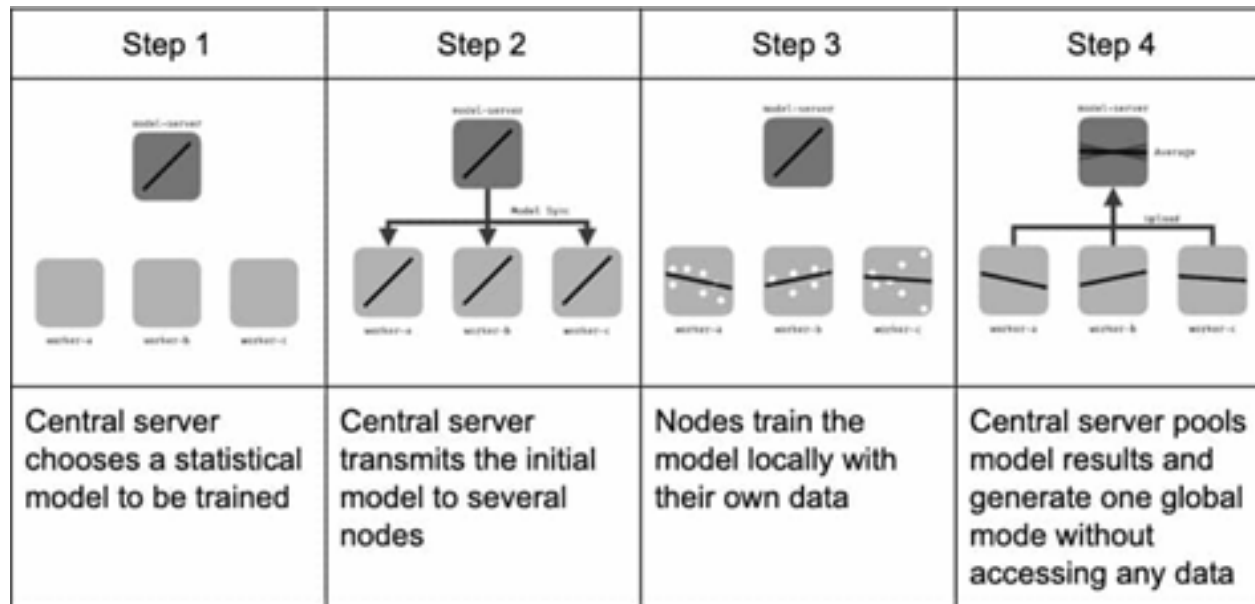


Privacy Preserving AI & Federated Learning

Wikipedia: **Federated learning** is a machine learning technique that **trains an algorithm** across **multiple decentralized servers** holding **local data** samples, **without exchanging the data**.

Federated learning enables **multiple actors** to build a **common, robust machine learning model without sharing data**, thus allowing to address **critical issues** such as **data privacy**, **data security**, **data access rights** and **access to heterogeneous data**.



Federated Learning Architecture

Federated learning is a distributed machine learning approach that enables organizations to collaborate on machine learning projects without sharing sensitive data such as patient records.

KEY: 1 Local model sharing 2 Global model sharing updates

