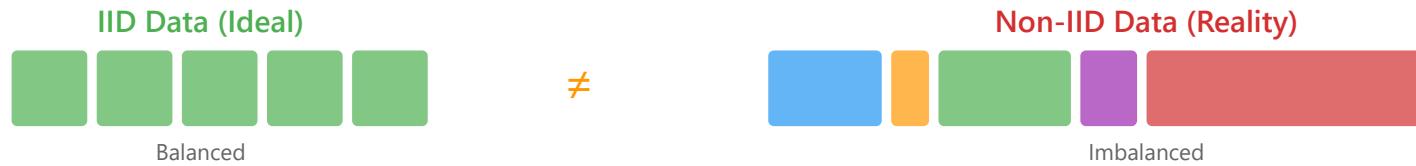


Non-IID Medical Data



⚠ Different patient demographics

Age, gender, ethnicity vary by location



⚠ Varying disease prevalence

Regional differences in disease patterns



⚠ Hospital-specific protocols

Different treatment guidelines and standards



⚠ Equipment differences

Imaging devices, sensors vary in quality



⚠ Regional health patterns

Climate, lifestyle, socioeconomic factors



Impact: Model bias • Slower convergence • Reduced accuracy