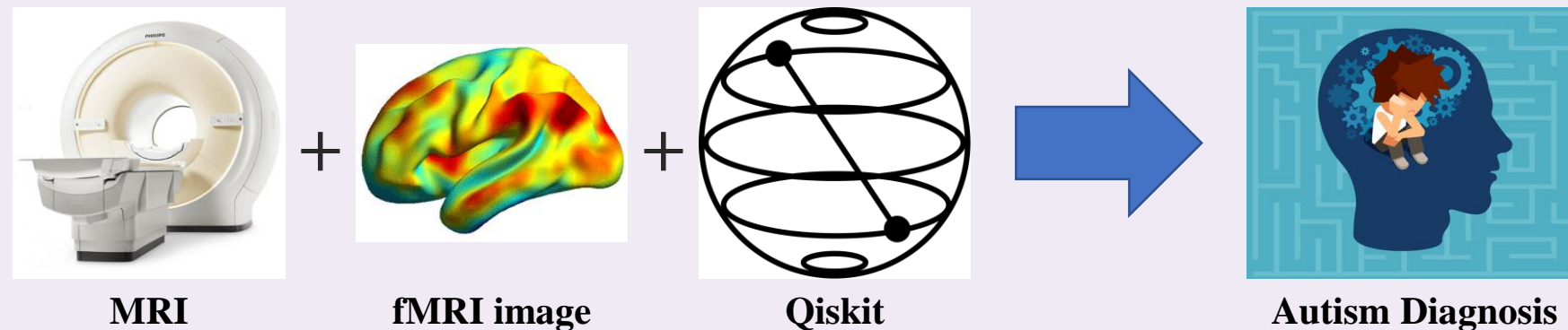


Qiskit can help ! Quantum fMRI analysis for Autism Diagnosis

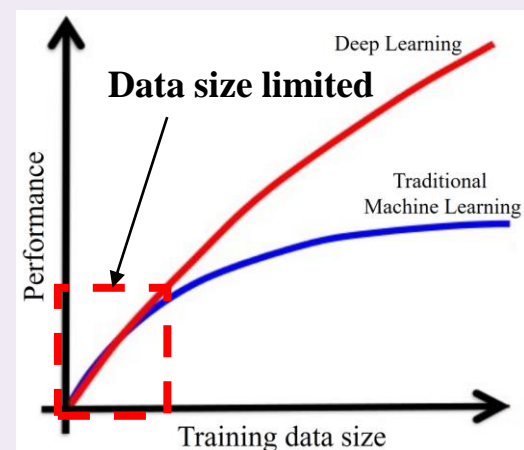
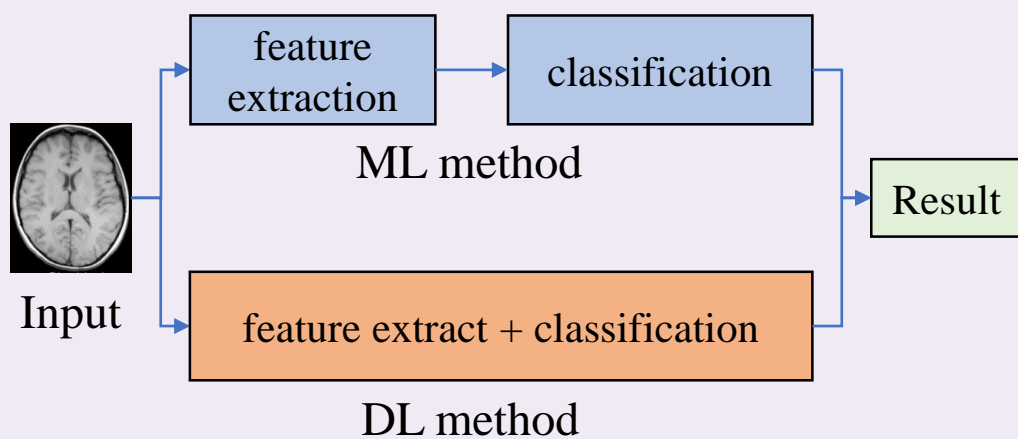
IBM QAMP Fall 2022 checkpoint 2

Mentor : Robert Loredo

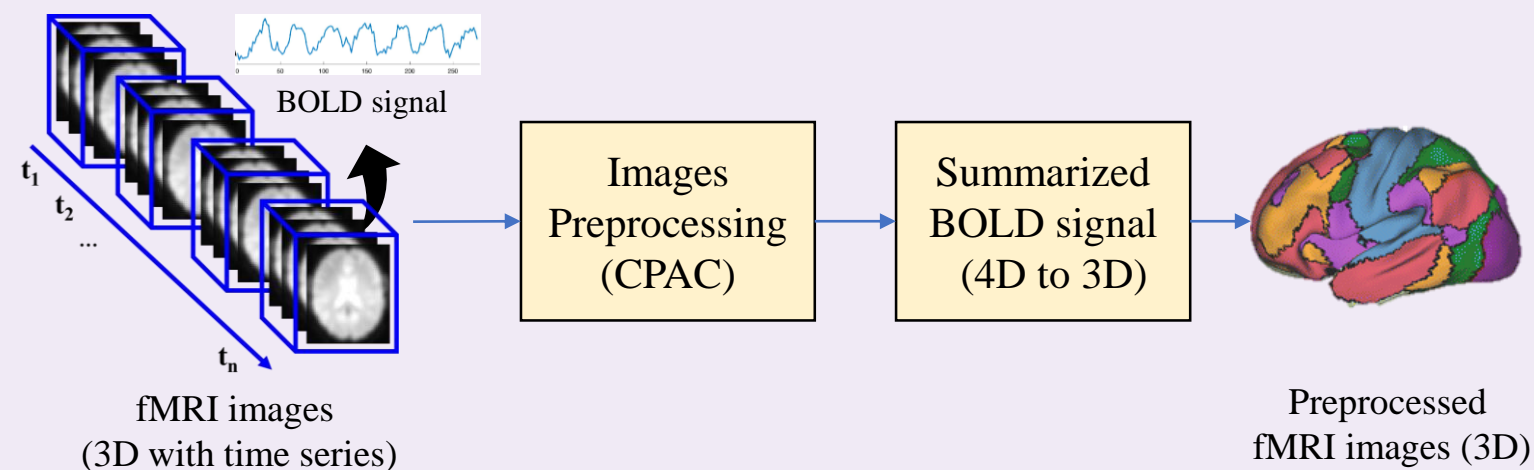
Mentees : Tai-Yue Li, José Victor Soares Scursulim, Louis Chen, iulia, khadija ech-challaouy, Adnani Hinde, hamza ahmed, Jody Burks



Issues : Autism Diagnosis using Machine Learning(ML) and Deep Learning(DL)



Autism fMRI open datasets : Autism Brain Imaging Data Exchange (ABIDE)



Quantum Image Representation : NEQR, FRQI and QPIE



3 Strategy of Quantum Machine Learning : 3D QCNN, 3D QTL, 3D QNN

