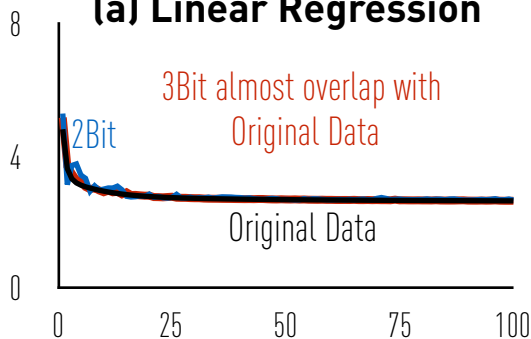
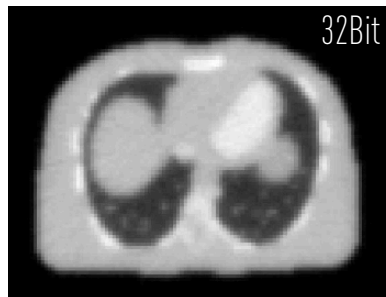


		Input Samples	Model	Gradient
Sec 3	Linear Models	1. Double Sampling 2. Data-Optimal Encoding	Stochastic Rounding	[1,2]
Sec 4	Generalized Linear Models	1. Chebyshev Approximation* 2. Data Sketching Heuristics for SVM		
Sec 5	Deep Learning	[3,4,5]	Data-Optimal Encoding	

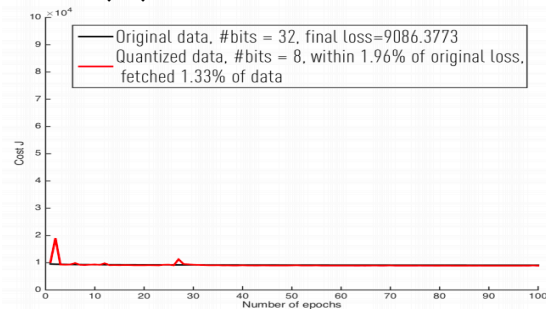
(a) Linear Regression



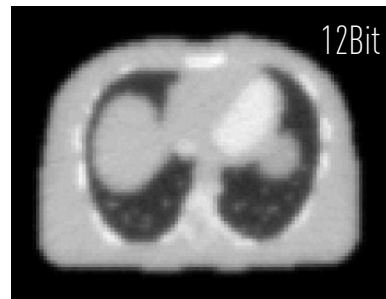
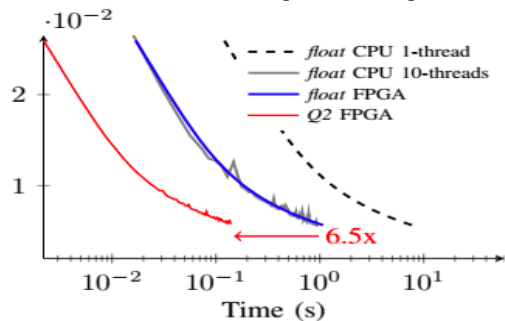
(c) 3D Reconstruction



(d) Non-linear Models



(b) FPGA Speed Up



(d) Deep Learning

