

BIG Data

Sloan Sky Survey: 7×10^{13} bytes/year now
 7×10^{15} bytes/year in 2016

Large Hadron Collider:

150 million sensors x 40 million samples/sec
= 6×10^{16} samples/year

Walmart Database: 2.5×10^{15} bytes (predicted)

10 Billion Transactions/year

YouTube : 1.2×10^8 videos x 2×10^7 mbytes/video
= 3×10^{15} bytes

Genome: 4×10^9 bp/human x 4×10^9 humans = 10^{19} bytes

But most analysis does not have to look at all the data