

Item	Period	Units	Comments
Integrated Circuits	1970 – present	number of transistors per chip	Moore’s Law
Storage	1956 – present	Gigabytes per disk	Johnson’s Law
Bandwidth	1980 – present	Megabits per second	Gilder’s Law
Software	1975 – present	Lines Of Code (LOC) per application or system	Stallman’s Law
Data	1975 – present	The number of rows and columns of data in a data set	Bermuda Principles

Table 2.2: This table contains some of the key enabling technologies of the digital era that have been commoditized. The commoditization of processing power has been known as Moore’s Law since shortly after it was described by Gordon Moore in 1965. There are no standard names for the commoditization of storage, bandwidth and software. In this book, we refer to the commoditization of storage, bandwidth and software as Johnson’s Law, Gilder’s Law and Stallman’s Law, after Reynold B. Johnson, George Gilder and Richard Stallman, respectively. Perhaps the best example of the the commoditization of data is the availability of the entire human genome, which was provided the Human Genome Project and whose data release policy was governed by what are known as the Bermuda Principles.