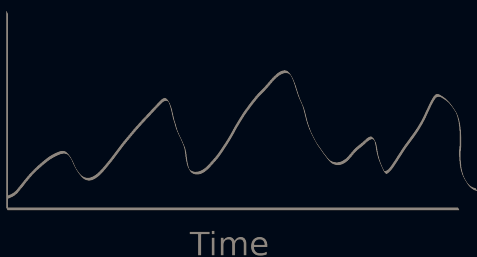


Digital in the context of computation

- Digital
 - The storage of information as a *sequence* belonging to a set of discrete values
 - Discrete means individually separate and distinct

Comparison of Analog Signal to Digital Signal



- Possesses the unique quality of easy reproduction
- Example: **Binary system**
 - sequences of 0s and 1s are used to express the information
- Word origin
 - The root *digit* indicates a numeral between 0 and 9
 - Comes from the Latin *digitus*, meaning finger or toe
- Counting in daily life was originally done using your fingers and your toes
- Digital revolution
 - The morphing of human societies through an increased use of computational devices and systems
 - Learning
 - Goods production
 - Farming
 - Security
 - Social interaction
 - Entertainment
 - A continuation of the process of increased human reliance on technology and automation