## Big Data I

A machine-readable code of lines and numbers, printed on an item and scanned to identify the item and information about it.  Boolean  A form of data, which consists of (true) Is and (false) Os values.  Brand  The mark or logo that identifies the object as belonging to a particular establishment or person.  Commuter  Someone who travels between places on a frequent basis, for example between work and home.  Contactless  Devices or codes that can be read wirelessly or without the need to touch surface-to-surface, object-to-object.  Data  Information used for a specific purpose or investigation.  The right to keep information private and away from those you do not wish to have access.  To secure information by converting it into a code made up of letters, numbers and symbols which cannot be understood by those that do not have access.  Infrared waves  The red section of the electromagnetic spectrum, which is invisible to the eye but can transmit small amounts of data.  NEC  NEC  Quick Response code. Is presented in a similar way to a bar code and when scanned, can take you to a specific website or provide information.  Radio waves  Radio waves  Radio Frequency Identification is a device that uses radio signals to check where something or someone is.  Signal  A voltage, current or electromagnetic wave that is either sent or obtained.  A person who manages, sorts, analyses and models data to identify key trends and solve problems within a system.		
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data analyst identify key trends and solve problems within a system.	Signal	
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when something is passed or sent to another place.	Transmission	When something is passed or sent to another place.

## Key facts



## Infrared light can be used to:

- > Transmit small amounts of data, such as a remote control beaming the instruction to turn the TV on and off or change channel.
- > Provide warmth from electrical heaters.
- > Heat up and cook food.
- > Detect heat through thermal imaging cameras



How do barcodes help libraries track book borrowing?



I. Choose a book to borrow from the library and find the barcode.

2. Take it to the self-scan to check the book out of the library.



3. The system will warn the librarian that your book is almost due back.



4. Return and scan the book to check it back in to the library.