

# Processing Unpredictable Data with Intelligent Process Automation

Data is flowing into organisations at an ever increasing rate. But it's not just any data that's creating the challenge - it's unstructured and semi-structured data that organisations receive every day from their customers, suppliers and employees.



**80%** of worldwide data will be unstructured by 2025, IDC

## How will the data be received?

**10,000**

Pieces of paper are used and received by office workers each year, Statista

**120**

Emails are received by office workers on average every day, Statista

## What are the different data types?



### Structured

Structured data is data that has been organised into a formatted repository, typically a database.

*Tech Target*



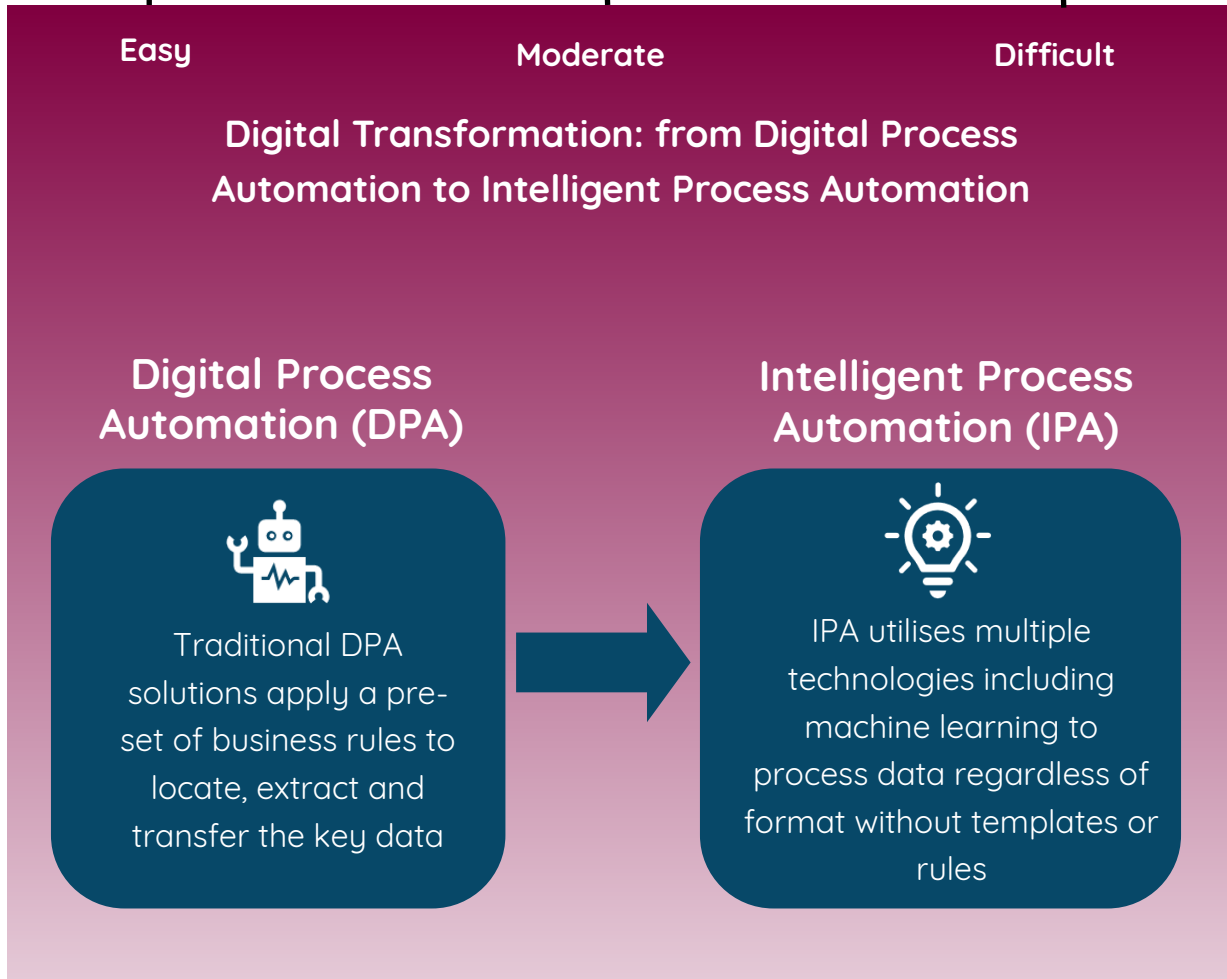
### Semi-Structured

Semi-structured data is a data type that contains semantic tags but does not conform to the structure associated with typical relational databases. *Datamation*



### Unstructured

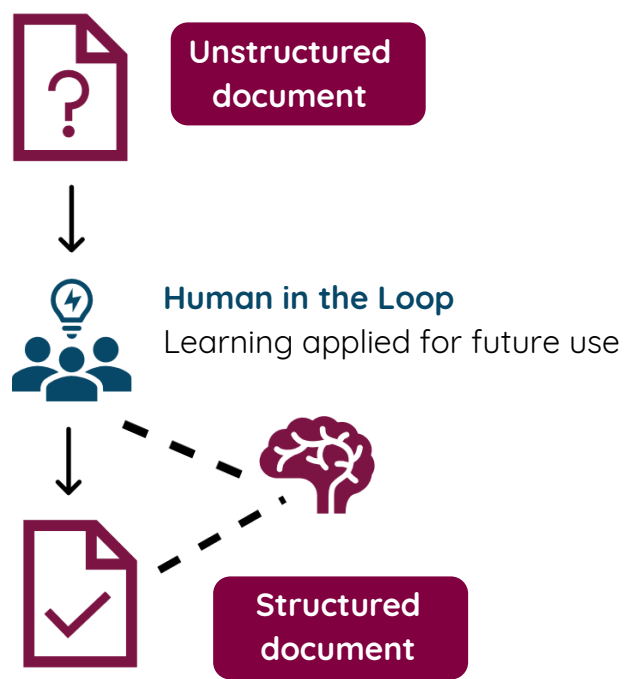
Unstructured data has no pre-defined format or organisation, it is typically text-heavy, making it much more difficult to collect, process, and analyse. *Datamation*



## Human in the Loop – Machine Learning

Machine Learning powered IPA means there is not a reliance on rules and templates to process documents, overcoming the barriers of traditional DPA solutions. For example, Celaton's IPA platform, inSTREAM™, requires human interaction to learn in a system called 'Human in the Loop'. inSTREAM collaborates with operators who teach it where to find key information.

inSTREAM's Machine Learning algorithms means there is no need for template creation with every new document or exception received. With 'Human in the Loop' there is no code and no-fuss for organisations. inSTREAM learns from every transaction it processes, therefore as the volume of documents increase, its confidence and accuracy improve to a point where Straight Through Processing (STP) is achieved.



## Benefits Achievable

- No technical knowledge required for recoding and new templates
- Enables employees to focus on more rewarding tasks such as customer experience and problem-solving
- Augments employees' roles
- Continual optimisation and enhance efficiency

If you are interested in finding out more about how Intelligent Process Automation could help streamline your processes, get in touch with Celaton today.