

With our flagship *DataInFormation<sup>SM</sup>* suite of solutions for Image Labeling, Data Annotation, NLP Calibration and Form Data Capture, Liberty Source is proud to serve a wide range of clients across many industry verticals. Our *Solution Briefs* provide a snapshot of the challenges clients bring to us, and the outcomes we achieve for them.

### Human-Augmented Data Curation & Validation

Industry	Best Practices	Data Type	Semi-Structured Text (.CSV, .PDF, .HTML, .XML)
Project Duration	2 Months	Ongoing?	Yes

### Challenge

Our client's unstructured financial transaction data was programmatically categorized at a high level but was not as granular as the client required. Human review was needed to provide additional context.

### Solution

Associates cleaned and mapped strings of data related to transactions. Many transactions listed two or more businesses; without a human in the loop, it was difficult to identify to which entity the money from the transaction was going. Associates used context and independent research to identify how to correctly map the transaction to the associated company.

### Outcome

DataInFormation successfully maintains workflows to categorize and clean the provided data in a more nuanced way than possible with AI alone. This work supports the client's tracking and categorization of metrics such as consumer trends, third-party sales, subsidiary impact, and more.

## Human-Augmented Data Curation & Validation

### Raw Data

Please Mail Payment To:  
**P.O. Box**  
**New York, NY 10087**

Invoice **6165832**  
 Customer  
 Entered By: **XFD**  
 Time: **14:56:32**  
 Route: **E19**

Bill To: **West Suzzanebury, UT 89946**  
 Ship To: **West Suzzanebury, UT 89946**

Delivery Window:  
 1000-1300

Customer	Ship Via	F.O.B.	Name	Ship Name/Number
			CIA	1598341

Purchase Order Number	Subsequence	Order Date	Our Order Number
		2025113009	

Quantity	Shipped	S.O.	UOM	Item	Item Description	Origin	Unit Price	Extended Price
8.00	8.00	0.00	EACH	YSTRUUP	MILLION 5X1.5 LT	USA	9.70	77.64
3.00	3.00	0.00	CTN	UQ1G	CLEARLY DOCTOR 4 X 6 DOZ	GTW	100.51	301.54
7.00	7.00	0.00	OZ	NF092P	STILL FACE 64 X 45 QT	7M6	23.90	167.50
5.00	5.00	0.00	BOX	Q08	MOMENT SPECIAL 6/1 OZ	TJ	64.95	324.73
2.00	2.00	0.00	CTN	TN40T	THEMSELVES 57 X 6 QT	FRA	28.85	57.70
12.00	12.00	0.00	CRD	NF	TOP 42 LB	UA	19.36	232.54
11.00	11.00	0.00	CTN	BUL262Q	RECENT 352 GAL	ITA	16.17	177.84
4.00	4.00	0.00	LB	GWKMDN181	INTERVIEW 77X33 FZ	ARG	45.77	183.08
8.76	8.76	0.00	LB	IGSCTX	WHETHER 36 X 74 DOZ	MPY	31.30	274.09
18.00	18.00	(Pcs)						
41.86	41.86	0.00	LB	BSFAM5728	OK 13.64 KG	SX	12.58	526.69
16.00	16.00	(Pcs)						
1.00	1.00	0.00	EACH	HGZBL	HOPE 5 X 51 LB	DBL	28.98	28.98
8.00	8.00	0.00	EACH	BHOC17	WHOM SURE DECADE 24/2 CT	DOM	36.31	290.50
32.58	32.58	0.00	LB	HP64	REDUCE TOWN LITTLE 3X91 QT	ITA	80.64	2623.39
2.00	2.00	(Pcs)						

\*\*\*\* TOO LATE MANY ACTUALLY GUN \*\*\*\*

**IMPORTANT**  
 HAS A 24 HOUR RETURN POLICY ON ALL ITEMS.  
 MEATS, CHEESES AND FRESH TRUFFLES MAY ONLY BE RETURNED  
 AT THE TIME OF DELIVERY. PLEASE INSPECT ALL ITEMS AT TIME OF DELIVERY.  
 FRESH ORDER/ CUSTOM HARVEST ITEMS ARE NOT ELIGIBLE FOR RETURNS.

Received by: \_\_\_\_\_  
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### 'First-Pass' Automated Labeling

### Output

Document JSON Output

```
{
  "id": 293,
  "uuid": "144df6ad-d7a6-4051-9516-397296b9b4fb",
  "submission_id": 341,
  "state": "complete",
  "substate": null,
  "exceptions": [],
  "start_time": "2023-04-27T20:12:41.032932Z",
  "goal_time": "2023-04-28T20:12:41.032932Z",
  "complete_time": "2023-04-27T20:30:24.443417Z",
  "priority": 1897048225,
  "layout_uuid": "00d2a3f8-9d0f-49a6-a56d-61f6684534be",
  "layout_name": "Invoices for Certification",
  "layout_tags": [],
  "layout_version_uuid": "139dd9cf-ca6d-424c-b534-3b3e070e",
  "layout_version_name": "Invoices for Certification_v1",
  "document_folders": [],
  "supervision_url": null,
  "type": "semi_structured",
  "metadata": {},
  "decisions": [],
  "pages": [

```

**Human in the Loop (validates and corrects machine output)**