

# A Comprehensive Guide to Data Labeling

# What is Data Labeling?

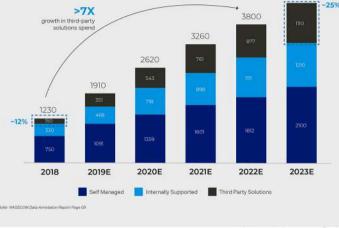
Data labeling is simply the process of labeling or tagging relevant information/metadata in a dataset to let machines understand what they are. The dataset could be in any form i.e., image, an audio file, video footage, or even text.

## Global data labeling spend on third-party solutions is estimated

Global Data Labeling Market

to be >7X in 2023 as compared to 2018

Global Data Annotation Spend (in \$ mn)



7 Data Labeling Challenges



spent on Data Preparation



workforce



technologies







Types of Data Labeling







Audio Transcription

Text Labeling

• Text Extraction

Text Classification

T

## Image Labeling · Image Classification Image Segmentation

## · Image Key point Annotation Image Collection

- **(**D)
- Video Labeling Video Segmentation

Video Classification



# 3D Labeling

Quality



## • 3D Object Tracking • 3D Segmentation



Data Collection

Labeling & Annotation

## Assurance Deployment/ Production

Factors to consider while

# choosing the right tool » Defining Your Use Case

- » Expert Annotators » Establishing Quality Standards » Compliance Complexities » Budget





Medical Al

Retail



Autonomous Vehicle

Industries

**Build Vs Buy** 



Geospatial

Build	Buy
Pros:	Pros:
Full control over the entire process	Faster time-to-market for first movers

Cons:	Cons:
	<ul> <li>Access to the late industry best pra</li> </ul>
Faster response time	advantage

## Slow and steady process. Requires patience, time, and money. Ongoing maintenance and platform

enhancement expenses

industry best practices		
Cons:		
Fulletian consider offician are considered		

customization to support your use case The platform may support requirements

Buy

est in tech in line with