



Data Labelling for ML/AI

Making AI Possible with Annotation Services High-Quality Training Data-set





We **facilitate** AI firms
with **top-notch training data**
to tackle **dataset hurdles**.

As a **premier provider** of talent and human-augmented solutions, we empower **AI-based companies** to achieve rapid innovation. Serving **disruptive startups** with **5+ years** of **IT outsourcing experience**. Headquartered in Bangalore, India, we are dedicated to **accelerating the success** of our clients.

Our **mission** is to **enhance AI**
and **machine learning**
algorithms by **integrating**
human intelligence.



Data Collection

- Data Entry
- Data Cleansing
- Data Enrichment
- Data Reconciliation



Algorithm Training

- Search Relevance
- Visual Search
- Content Moderation
- Sentiment Analysis
- Chatbot Training



Data Preparation

- Text Annotation
- Image Annotation
- Video Annotation
- Content Tagging
- Classification
- Transcription



We collaborate with **AI, Machine Learning** and Technology companies, leveraging our **proficient on-demand workforce** to create and enhance innovative **business applications** through the utilization of **premium-grade data sets**.



Our clients gain a **competitive edge** through our **agile working models**, delivering exceptional **speed, precision,** and **scalability**.

? What We Do



Effortlessly train computer vision models to recognize diverse objects in images with our comprehensive pixel annotation service, accommodating all image types and formats, mimicking human perception.

Image Annotation Techniques

- 2D Bounding Boxes
- Cuboid
- Point & Landmark
- Line & Spline
- Text Annotation
- Polygons
- Semantic Segmentation
- Video Annotation

Image **Annotation** Techniques

Image Annotation Techniques



2D Bounding Box

A bounding box is a rectangular outline that encapsulates an object in a visual field. It is commonly used in computer vision and machine learning algorithms for object detection and tracking. The bounding box indicates the position and size of an object, allowing for precise analysis and manipulation of images and videos. It is a crucial tool for object recognition, classification, and localization, and is widely used in various applications, such as self-driving cars, surveillance systems, and robotics.



Image Annotation Techniques



Polygon/Contour

Polygon annotation in AI is a feature that allows users to draw shapes around objects in an image. These shapes can then be used to label and identify various parts of the image. The polygons can be customized to fit the shape of the object being labeled, and can be filled with color or left empty. This feature is particularly useful for image analysis and object recognition, and is a valuable tool for researchers, designers, and artists alike. With the ability to create accurate and detailed annotations, polygon annotation in AI is a powerful tool for visual communication and analysis.



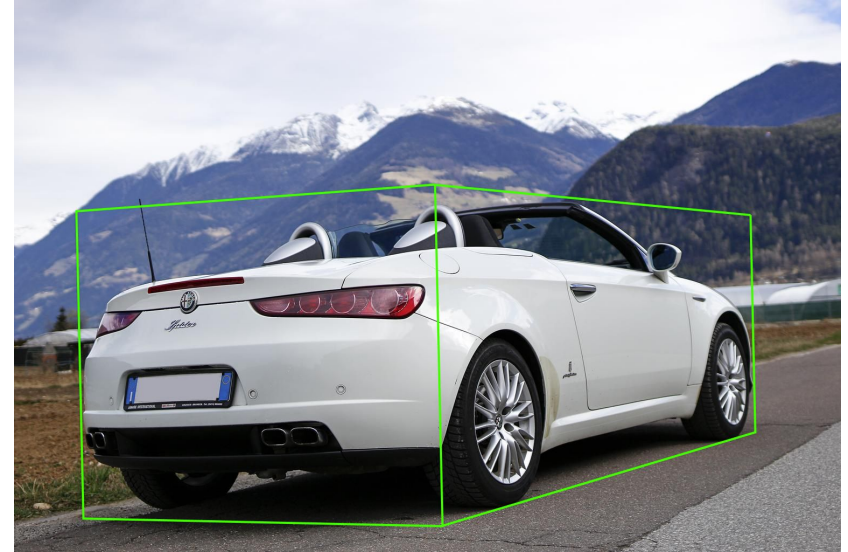
Semantic Segmentation

Semantic segmentation is a computer vision technique that involves labeling each pixel in an image with a corresponding class label, enabling machines to differentiate between different objects and their parts. This technique is widely used in a range of applications such as autonomous driving, object detection, and medical image analysis. It allows machines to understand the context of an image, leading to better performance in image analysis and understanding.



Cuboidal Annotation

Cuboidal annotation refers to the process of annotating 3D objects with cuboidal boxes to mark their positions and dimensions. This technique is used extensively in object detection and computer vision applications.



Keypoint Annotation

Keypoint annotation is the process of labelling specific points on an object or image to aid in object detection, tracking, and segmentation. It is a crucial technique used in computer vision and deep learning applications. These points are essential in determining the exact location of an object in an image and improving the accuracy of the algorithm. Keypoint annotation is widely used in industries such as automotive, robotics, and medical imaging. The annotation process involves carefully selecting and labeling each point with its respective name, and it requires expertise and precision to achieve accurate results.



Image Annotation Techniques



Polyline Annotation

Polyline annotation is a machine learning technique that is used for object detection and image recognition. It allows the user to draw freehand lines around objects of interest, which are then processed by the ML algorithm to identify and classify the object. This technique is particularly useful for tasks such as identifying and tracking the movement of animals in wildlife conservation, or identifying specific areas of damage in industrial inspection. It is a versatile and powerful tool that has a wide range of applications in various fields.



Image Annotation Techniques



Tracking System

Object tracking in Autonomous , Detects all objects like car,pedestrians,etc and develops a unique identification for each of the initial detections and then tracks the detected objects as they move around frames in a video.

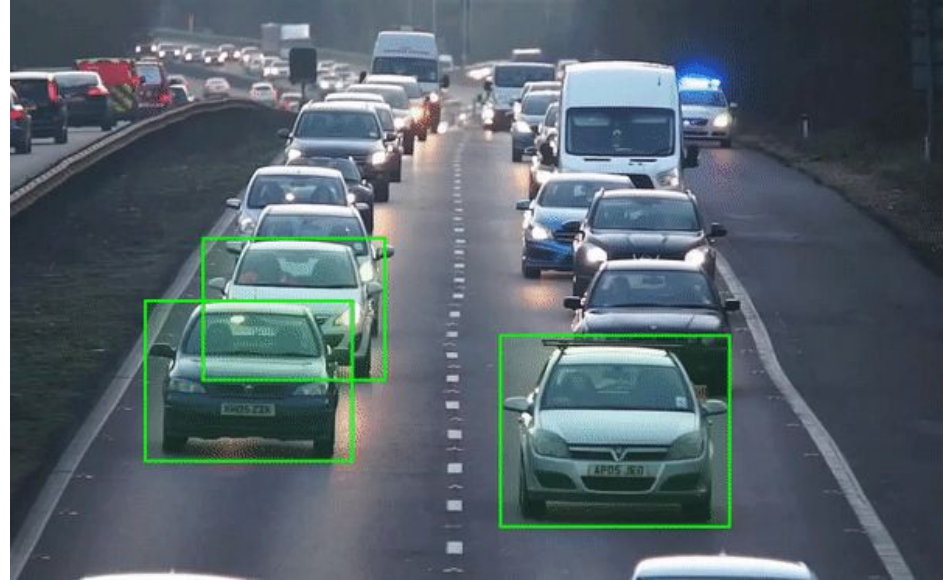


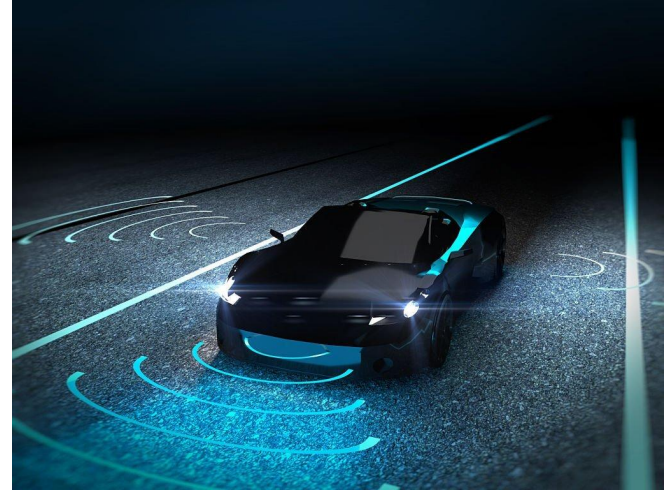


Image Annotation Industries

Industries such as healthcare, finance, retail, and more are increasingly adopting Artificial Intelligence and Machine Learning technologies to enhance their operations. AI and ML can be used for predictive analysis, data classification, automation, and more. These technologies have the potential to improve efficiency, reduce costs, and provide a competitive advantage. At **Roora**, we offer AI and ML solutions to help businesses leverage these technologies in various use cases, such as fraud detection, customer experience, and supply chain optimization. Our solutions are tailored to meet the specific needs of each industry, and we work closely with our clients to ensure the successful implementation of these cutting-edge technologies.

Autonomous Vehicle

Data labeling is a crucial process in autonomous vehicles that involves annotating data to help machines recognize patterns and make accurate decisions. This involves labeling images, videos, and other data inputs to help AI algorithms understand and react to their environment. Proper data labeling ensures reliable and safe autonomous driving.



Healthcare

Data labelling in healthcare is the process of assigning descriptive and meaningful tags to medical data such as images, reports, and electronic health records. These tags are used for various purposes, including training machine learning algorithms, clinical decision-making, and disease surveillance. Data labelling ensures the accuracy and reliability of healthcare data, making it easier to analyze and interpret. It is a crucial step towards building effective healthcare systems and improving patient outcomes.



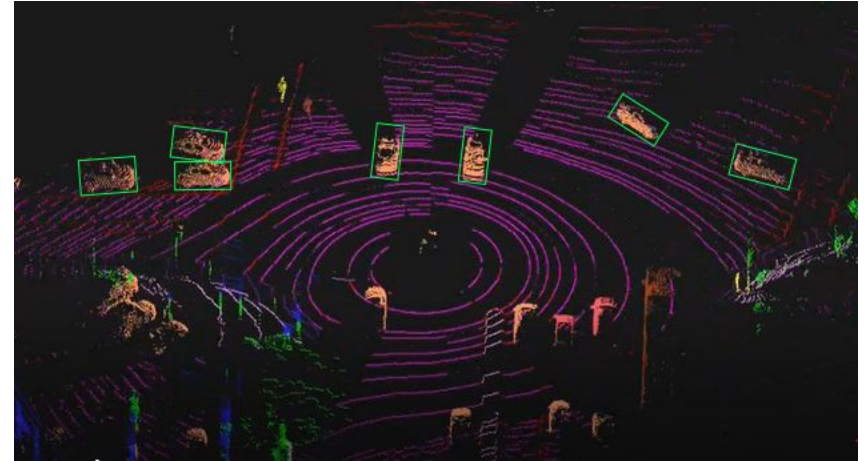
Agriculture

Data labelling is crucial in agriculture as it involves the process of adding informative labels to different types of agricultural data, such as crop type, plant growth stage, soil moisture level, and pest infestations. This helps to create a comprehensive understanding of the data, enabling farmers to make informed decisions about crop management, soil health, and pest control. Accurate data labelling can significantly improve crop yield, reduce crop loss, and increase the overall efficiency of the agricultural process.



Lidar

Data labeling in Lidar refers to the process of adding semantic meaning to raw point cloud data. This is typically done by assigning labels to individual points based on their position and attributes. The resulting labeled data can then be used for a variety of applications, including object detection, terrain mapping, and autonomous driving. Accurate data labeling is critical for the success of these applications, and requires careful consideration of factors such as sensor calibration, data quality, and the specific use case.



Retail

Data labelling in retail involves assigning accurate and relevant tags to data sets for effective analysis. It helps businesses identify patterns, trends, and customer behavior to enhance sales and customer experience. Data labeling is crucial in retail as it enables better decision-making and understanding of customer preferences.



Sports

Data labelling in sports is the process of identifying and categorizing data points within sports datasets. This process helps sports analysts to understand patterns and trends within the data, and make informed decisions. Data labelling can also be used to create more accurate predictive models, which can help sports teams to make better decisions on the field. Examples of data labelling in sports include identifying player positions, categorizing plays, and tracking the movement of the ball or puck. Overall, data labelling is an essential part of sports analytics, and is used by coaches, scouts, and analysts to gain a competitive advantage.



Aerial

Aerial annotation is the process of adding descriptive information to images and videos captured from above using drones or other aerial platforms. This can include details about the location, features, and characteristics of the area being captured, providing valuable insights for industries such as agriculture, surveying, and real estate.



Insurance

Data annotation in insurance refers to the process of labeling and categorizing data to enable effective analysis and decision making. This allows insurers to identify patterns, detect fraud, and improve risk assessment accuracy.



Certifications



Contact Us



If you're interested in learning more about our data labeling services for AI/ML, we'd love to hear from you! At **Roora**, we're passionate about providing accurate and reliable data labeling solutions that can help your business stay ahead of the curve. Whether you have questions about our process, pricing, or would like to discuss a potential project, our team of experts is here to help. You can reach us by phone, email, or through our website's contact form, and we'll get back to you as soon as possible. Let us help you unlock the full potential of AI/ML with our data labeling services.

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