

Outils d'annotation (mask) Segmentation pour le Active Learning

Pixel annotation ground truth

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Offres rencontrées

- Plateforme complète
- Outils d'annotation
 - Assisté par modèle IA
 - manuel
- Sous-traitance

- Ouvert libre
 - MIL
 - Apache 2.0
- Licence payant mois / utilisateur
- Crédits
- Gratuit communauté universitaire / recherche

Outils rencontrés

Classiques

- Rectangle, polygon, polyline, points, brush, eraser, bounding boxes, cuboid (3d), image tags, label attributes, hotkeys/shortkeys

- Vector
- Bitmap/pixel
- Videos
- 2d
- 3d

Méthodes spéciales (non assistées par IA)

- Contour (hasty.ai)
- Magic wand (hasty.ai)
- GrabCut (hasty.ai)
- SLIC Superpixels¹ (puzzle / casse-tête) (LabelBox)
- OpenCV tool (CVAT)
 - Automatic border

Assistées par IA

- Smart tool (supervise.ly)
- AI tools (CVAT)
- Auto-Annotate (V7Labs)
- Smart segmentation (SuperAnnotate)
- DEXTR (4 points) (Hasty.ai)
- AI Assistant (Hasty.ai)
 - class prediction
 - object detection
 - instance segmentation

¹ https://www.iro.umontreal.ca/~mignotte/IFT6150/Articles/SLIC_Superpixels.pdf

Fonctionnalités rencontrées

- Web
- On-premise / hosted / SaaS cloud
- Vector, Bitmap, Pixel editor
- 2d, 3d, images, videos
- AI assisted, manual annotation

- Project management
- Quality management
- Dashboards and analytics
- User roles
- Documentation and email Support

- Statistics Role management Integrations
- API SDK
- Dataset import
- Smart export
- Integration into workflows

- Annotator Metrics
- Review and QA
- Secure
- Medically Compliant
- File management

- Leverage your models Turn predictions into ground truth
- Active learning Implement active learning pipelines
- Automation

Choix

1. V7labs Darwin \$ plateforme <https://www.v7labs.com>
2. SuperAnnotate \$ plateforme openCV <https://superannotate.com/>
3. Supervise.ly \$* plateforme <https://supervise.ly/>
4. LabelBox \$ plateforme <https://labelbox.com/>
5. CVAT gratuit outil Intel <https://github.com/openvinotoolkit/cvat>
6. Hasty.ai \$ plateforme <https://hasty.ai/>
7. AIDE Annotation Interface for Data-driven Ecology gratuit plateforme Microsoft https://github.com/microsoft/aerial_wildlife_detection
8. VIA VGG Image Annotator gratuit outil <https://www.robots.ox.ac.uk/~vgg/software/via/>
9. VoTT Visual Object Tagging Tool gratuit outil Microsoft <https://github.com/microsoft/VoTT>
10. Slava label-tool gratuit outil <https://github.com/Slava/label-tool>
11. semantic-segmentation-editor gratuit outil Hitachi <https://github.com/Hitachi-Automotive-And-Industry-Lab/semantic-segmentation-editor>
12. Playment.io \$* plateforme <https://playment.io/>
13. Anolytics outsource <https://www.anolytics.ai/semantic-segmentation-services/>
14. segments.ia outsource <https://segments.ai>
15. Xyonix outsource <https://www.xyonix.com>
16. Scalabel gratuit plateforme <https://www.scalabel.ai/>
17. Heartex (Label Studio) gratuit outil <https://heartex.com/>

+ SIG (ArcGIS, QGIS, etc)
+ usual image manipulation tools (Gimp, etc)