

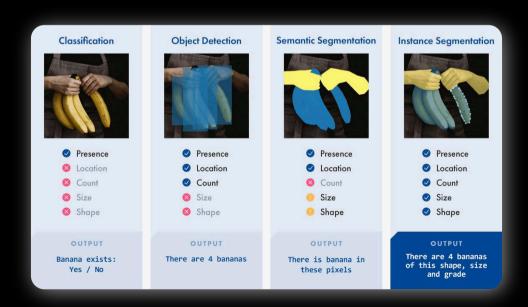
### **Annotationem ex Nihilo**

Image annotation from scratch using PyQtGraph and FastSAM

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### Introduction

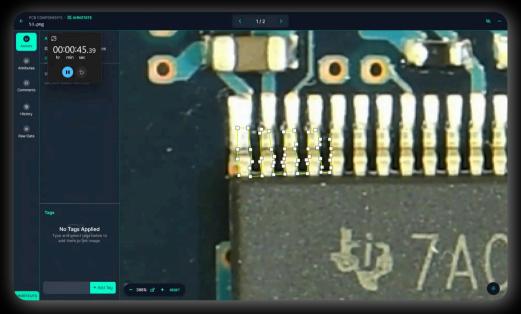
Several types of annotation, most time consuming and informative is **instance segmentation** 



### Introduction

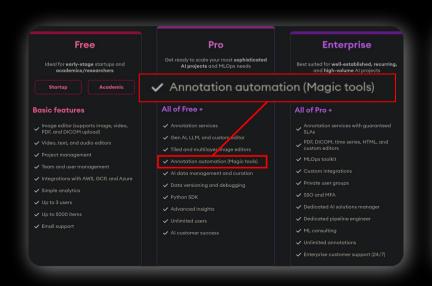
But 🔨 🗸 ਰ\_ਰੇ 🗸 detailed annotation is time consuming!

(manual timelapse)



#### Introduction

Assistance tools help, but are often paywalled, perform poorly, or expect detailed project workflows



(Pretrained SAM)



### **Tutorial Components**

- 1. Create a window that loads an image from a file
- 2. Segment the current image using FastSAM
- 3. Enable object-by-object adjustments using FastSAMPrompt
- 4. Enable manual adjustments using a brush
- 5. Incorporate metadata like labels, confidence, tags, ...

## Window Loading an Image



# Predictions using Ultralytics FastSAM



## **Providing user edits**

