

[Carrots] Instructions

Multi-label Image Classification

Summary of Task

- Given an image of a carrot, choose all applicable categories/states. If the image is considerably noisy, annotate the image as ambiguous. When multiple objects are visible, annotate the most dominant object of the specified category. Note that images are captured in-the-wild and small motion blur, therefore, shouldn't be considered as noise.

Labels & Attributes Table

Attribute	Relevant Attributes+Their Option Choices [optional]
State	Raw
State	Cooked
State	Whole
State	Cut
State	Diced
State	Inhand
State	Outofhand
State	Ambiguous

Annotation Rules

Description	Example
Some attributes are mutually exclusive i.e. can not be simultaneously applicable for the same image	Raw/Cooked (Only one applicable)
Some attributes are mutually exclusive i.e. can not be simultaneously applicable for the same image	Whole/Cut/Diced (Only one applicable)
Some attributes are mutually exclusive i.e. can not be simultaneously applicable for the same image	Inhand/Outofhand (Only one applicable)
Noisy Images with blur or occlusion can be skipped	Ambiguous category is applicable

Common Errors

Edge Case	How to Handle It	Example
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Cut/Diced	<p>Size of the pieces matters (Cut examples)</p> <p>Cut carrot piece(s) should be visible.</p>	
Cut/Diced	<p>Size of the pieces matters (Chopped Examples)</p> <p>Grated Carrots, or a paste or cubical pieces.</p>	
Multiple Carrots	<p>Look at the dominant ones</p> <p>Carrots on the right should be labelled as “whole”, “raw” carrots that are “out of hand”..</p>	
Occlusion	<p>When part of the object is not visible, certain attributes can't be determined. In that case, skip such attributes and annotate the rest.</p> <p>Example: Image on the right might be “inhand” or “outofhand”. But it is certainly a whole carrot which is yet to be cut.</p>	

Labels & Attributes Description/Examples

Labels/Attributes	Description	Example
State	Raw : (Uncooked state before going into a cooking vessel)	  
State	Cooked : (Cooked state, in the pan being cooked or on a plate after being cooked)	  
State	Whole : (Before cutting/chopping)	   
State	Cut : (After or during cutting, julienned carrots would fall in cut category)	  

		
State	Diced : (Similar to cutting but applicable when the pieces are very small. Grated would also fall in chopped category)	
State	Inhand : (When hand is grasping the object)	
State	Outofhand : (When the object is not grasped)	
State	Ambiguous (Occlusion, blur, object not visible)	