

Quality Assurance Report

Code__name.m

Iteration - 1

Code Author: Aravind

Review requested by: Aravind

Reviewer: Millen

Date of review: 25/05/2020

Permanent Links:

1. https://github.com/bvcxz1/STADS/blob/6dc41416d61ecd0b7e860c8fb64128dd9f300e49/Feature_Extraction/Functions/merge_tag_3.m

QA suggestions:

- The length of the star coordinates array is bounded to be under num_tag, so it should be alloted memory appropriately.
- The iterator variable in both loops should be renamed to appropriately prefixed iterator variables, like i_find_centroids.
- All arrays should have an arr_ prefix.
- Include explanation of the indexing of the loop that removes zeros and the loop that finds the centroids of regions with multiple tags.

Implementation:

```
arr_star_coordinates = zeros(num_tags, 2); %(k, 1)=pos_x
(k,2)=pos_y

for i_first_loop=1:num_tag
...
end

arr_tot_sum_x = zeros(num_final_tags,1);
arr_tot_sum_y = zeros(num_final_tags,1);
arr_tot_weights = zeros(num_final_tags,1);
arr_tot_pixels = zeros(num_final_tags,1);
```

Post-QA Permanent Links:

- 1.
- 2.
- 3.

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Iteration - 2

Code Author: Name of the author of the original code

Review requested by: Name of the person who is requesting the review *Eg:*
PQR

Reviewer: Name of the allotted reviewer

Date of review: DD/MM/YYYY

Permanent Links:

- 1.
- 2.
- 3.

QA suggestions:

Implementation:

The changes implemented as suggested by the review points will be documented

*Eg:*1. All changes are implemented

Post-QA Permanent Links:

- 1.
- 2.
- 3.

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