

How I Almost Broke the Code

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1. Changed the percentile

- 50 \rightarrow 35
- F1 score 0.75 \rightarrow **0.76!**

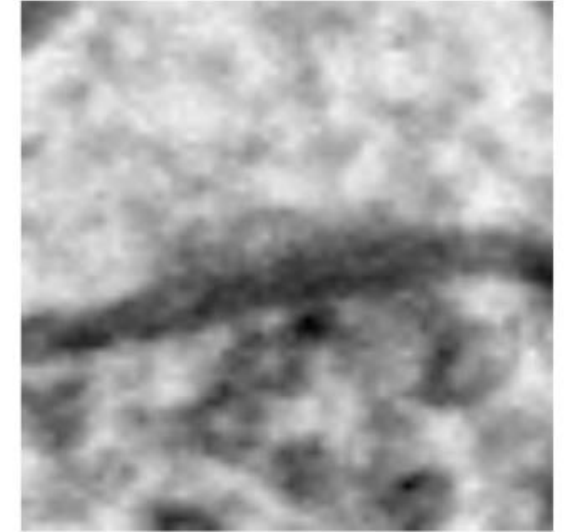
2 Changed parameters of skif.greycomatrix

- Tried [1,3] , [1,4], [1,10] for distance, [0,np.pi], [0, np.pi/3], [0, np.pi/4], [0, np.pi/12] for angles
- Didn't improve the score

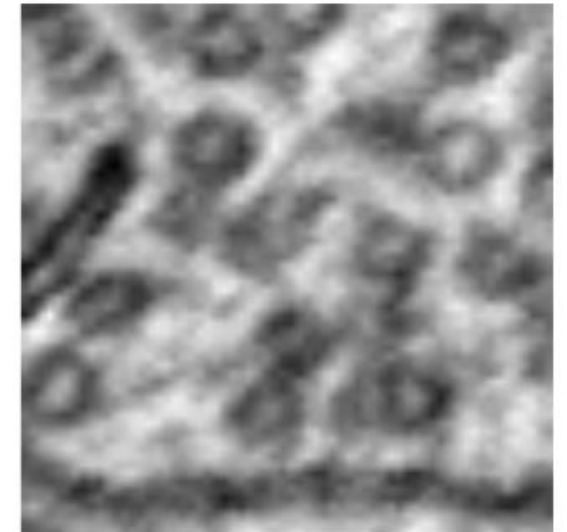
3 skif.blob_dog

- Found a function that sounds funny: blob_dog
- Thought there might be more “blobs” when there are no synapse
- Tried to add function to code
- Got a 30-line error message

synapse present - true positive



no synapse present - true negative



4 shape_index

- Tried to implement the shape_index function
- Gets an “attribute error”

5 canny

- Implemented canny function, thought edges might be important
- Code finally worked!
- F-score went down

6 hessian_matrix_det

- Couldn't get the function to work