



# Reshaping the 3D train\_images array for 2D only model



Anonymous posted Mar 13, 2019 12:34 PM [☆ Subscribe](#)

Good afternoon,

I'm running into some issues with SVM as I am trying to fit it with train\_images, which are 3d arrays. I understand that SVM on scikit can take max 2D arrays, I'm just wondering how to go about this with this data? I have tried reshaping with the following:

```
nsamples, nX, nY = np.shape(X)
X = np.reshape(X, (nsamples, nX*nY))
```

That I found online but I am not sure of this method as I'm still running into errors. Thanks for any help in advance.

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**Will Hamilton**

March 15 at 2:59 PM

Hi,

Indeed, the reshaping approach should fix this, and the code you posted for reshaping looks (at a glance) to be correct. It is hard to fully debug over the discussion board, but if you reshape/flatten the images, then you should be able to make things work with SciKit learn.

In general, I highly recommend attending office hours for these kind of debugging questions, since the TAs (or myself) can give more hands in advice in person.

Best,

Will

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