

# Should we apply Deep Learning?



# Only Deep Learning after trying classic approach first



"You would be surprised what the most basic algorithms can do"

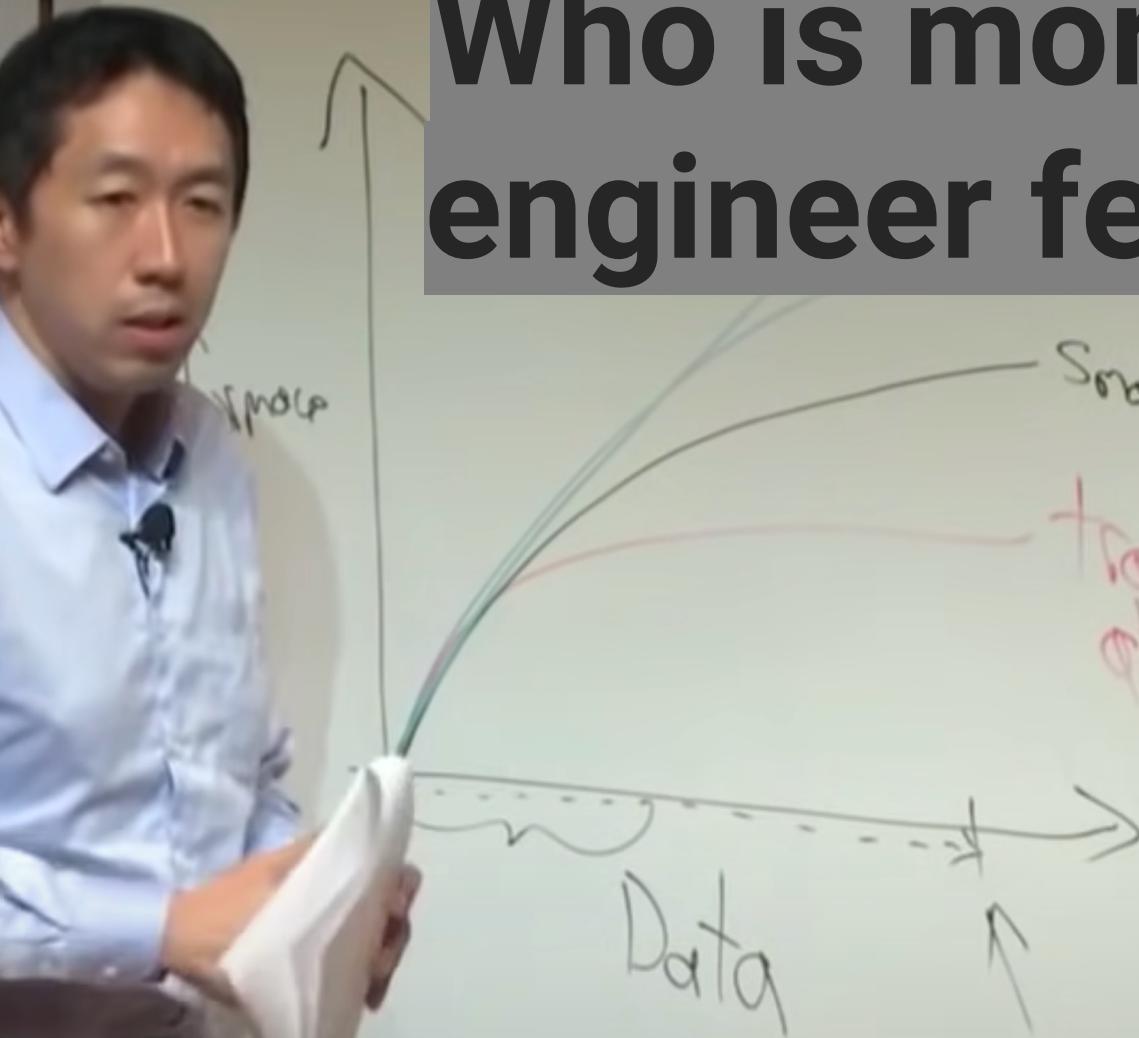
What are the top mistakes in Deep Learning? – AI Show  
<https://www.youtube.com/watch?v=4G80eRhXRHE>

# Deep Learning

## 9/10 things you do are errors/wrong

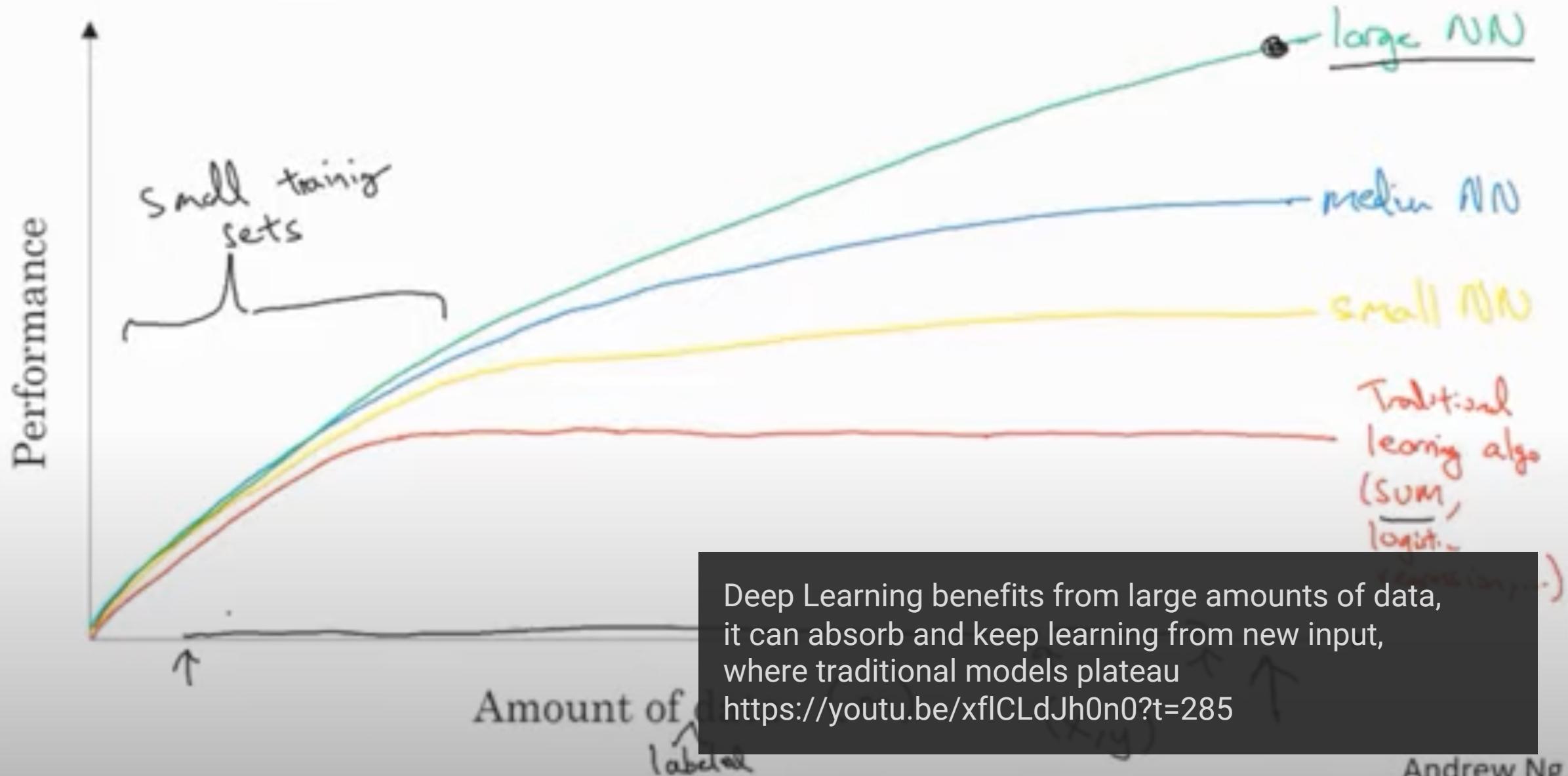
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# Who is more motivated to hand engineer features will do better



Nuts and Bolts of Applying Deep Learning (Andrew Ng)  
<https://youtu.be/F1ka6a13S9I?t=178>

# Scale drives Deep Learning Progress

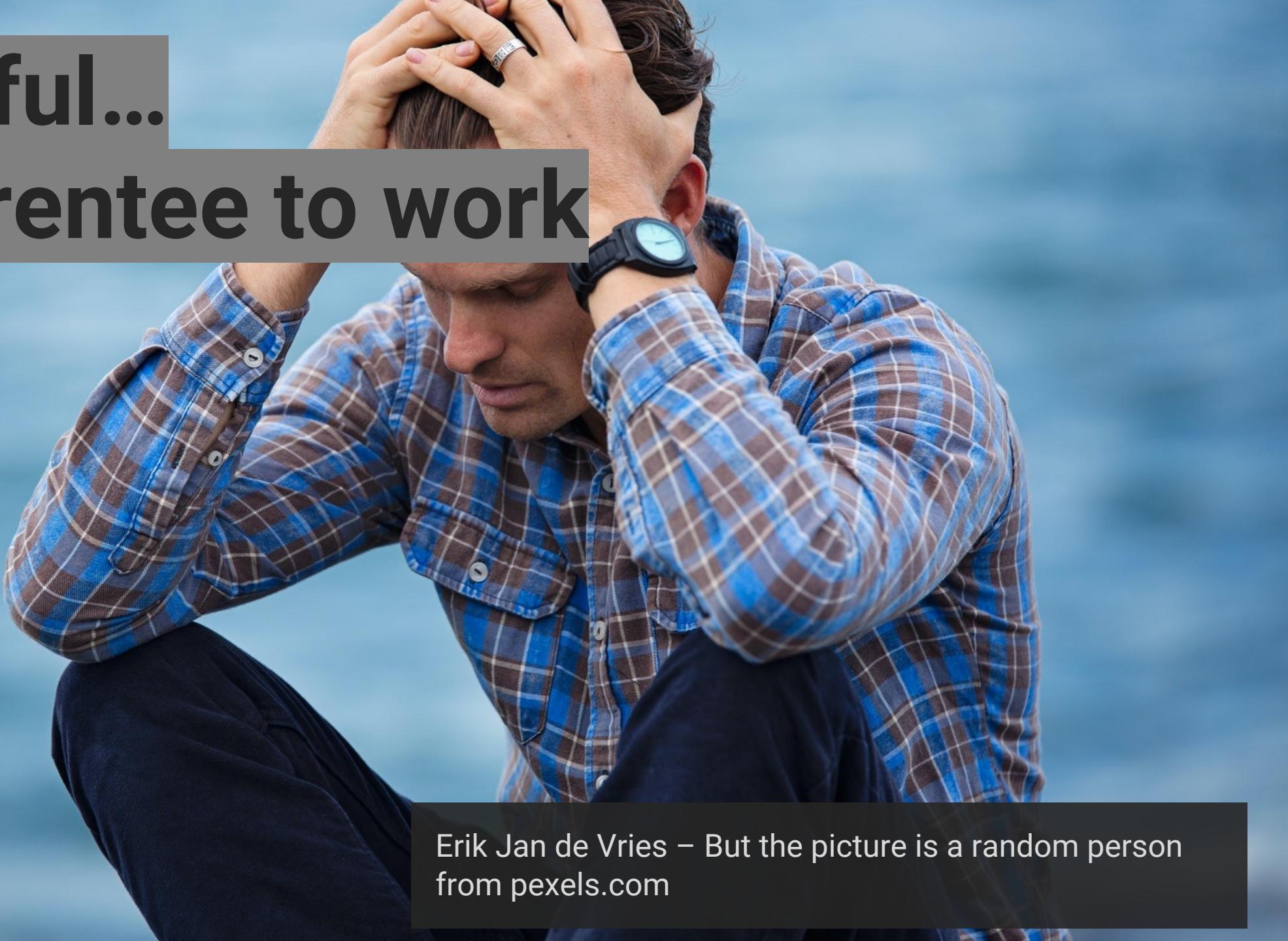


# Can you Apply Transfer Learning? *Yeah Baby Yeah!!!*



Jasper Derikx – But he didn't actually use those words...

**Be careful...  
No Guarantee to work**



Erik Jan de Vries – But the picture is a random person from pexels.com

# Text & Images: Deep Learning For tabular: Gradient Boosters, TimeSeries: Maybe... but first...

Robbert van der Gugten

A nice example is the StarSpace model I used at Randstad in comparison to matrix factorization.

Embedding comparison with the StarSpace model made it possible to do quick prediction for new data points.