MACHINE LEARNING IN PHYSICS TUTORIAL 05 / AUTOENCODERS

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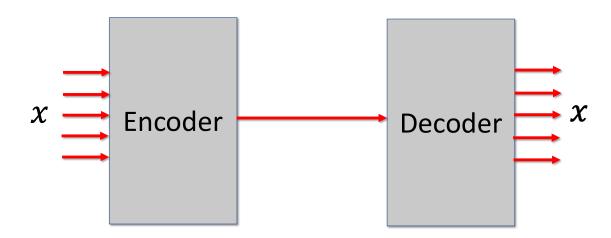
Recap

 \triangleright The encoder *compresses* the input data $x \in \mathbb{R}^N$

$$h(x) \to z$$
 $g(z) \to x$

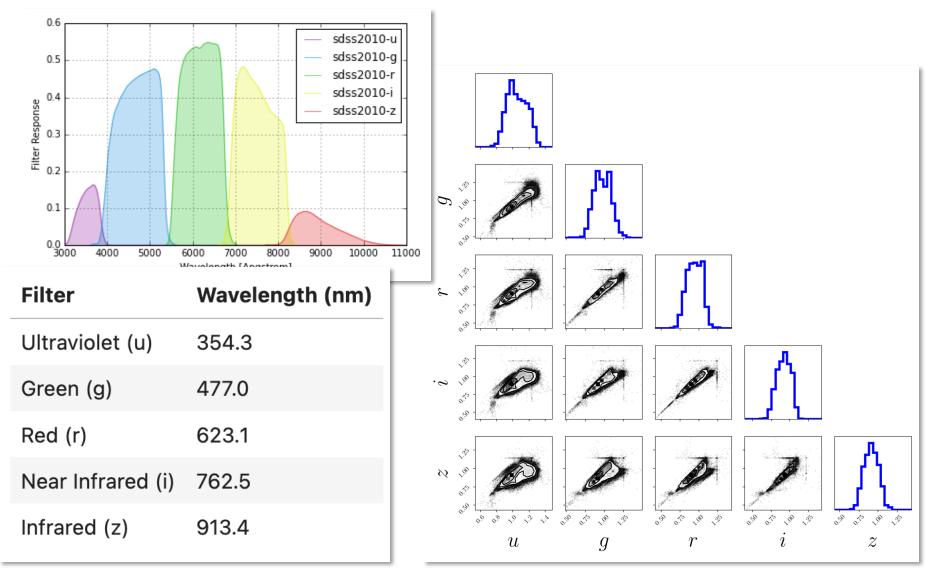
to a latent space

$$z \in \mathbb{R}^n$$
 with $n \ll N$

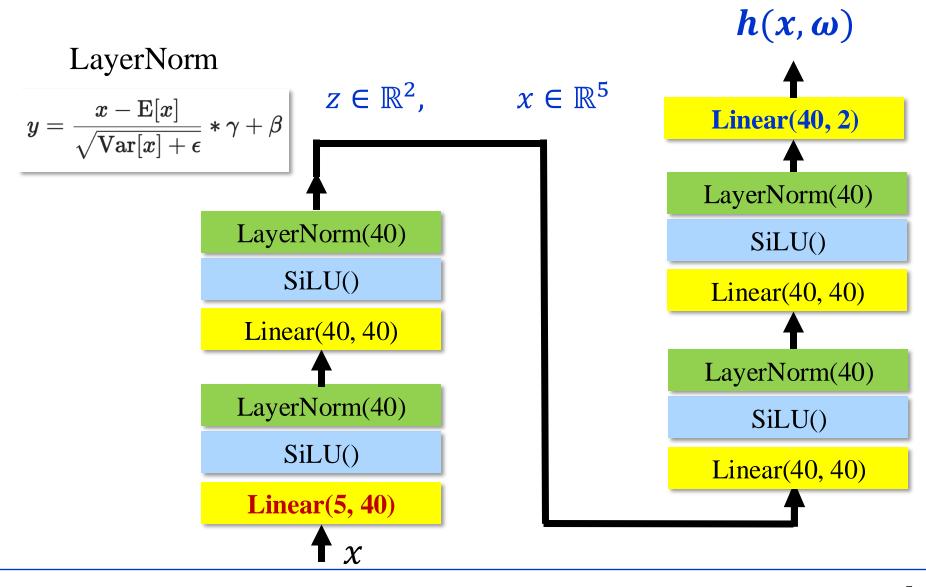


TUTORIAL 05 / AUTOENCODER

SDSS: Stellar Color Data



Autoencoder: Encoder



Autoencoder: Decoder

