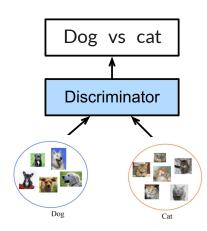
# CIS 678 Machine Learning

Introduction to Neural Networks (cont.)

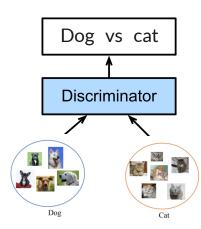
#### Examples:

- Generative Adversarial Networks (GANs)
- Variational Autoencoders (VAEs)



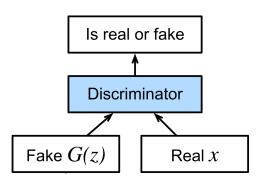
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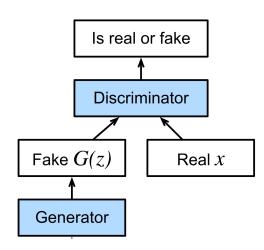
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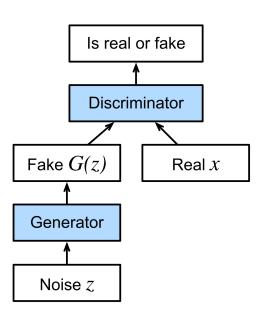
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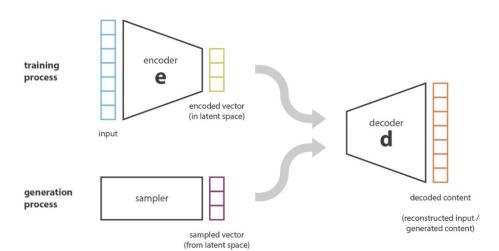
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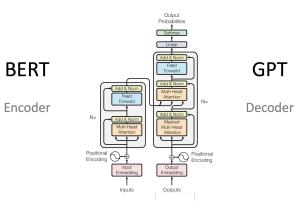
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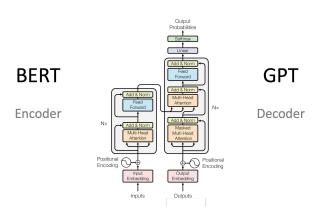


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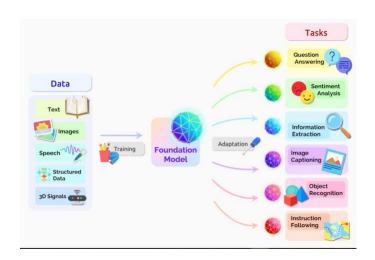
Machine translation

- We don't train independent models explicitly (say machine translation)
- Or document summarization



Document summarization

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- We train a Base model for multiple tasks jointly, and then fine tune for specific tasks



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