

A diagram of a diagram

Description automatically generated

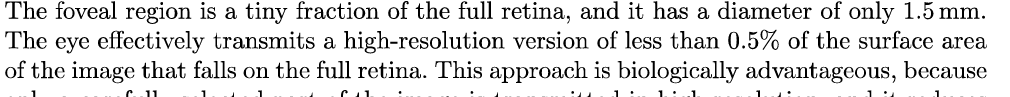
Fig: Resolutions at different regions of Eye

A close up of a text

Description automatically generated

A close-up of a text

Description automatically generated



A close up of a text

Description automatically generated

**Recurrent Models of Visual attention**

A close up of a text

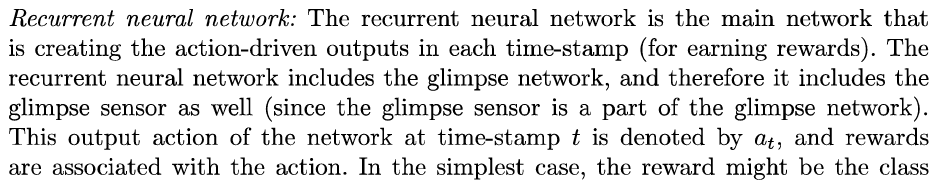
Description automatically generated

A diagram of a road

Description automatically generated

A close-up of a text

Description automatically generated



A black text on a white background

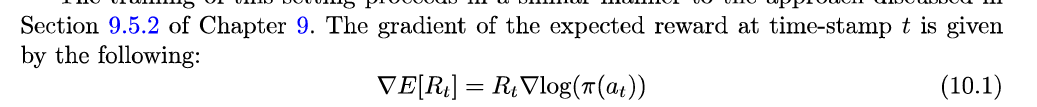
Description automatically generated

A close-up of a text

Description automatically generated

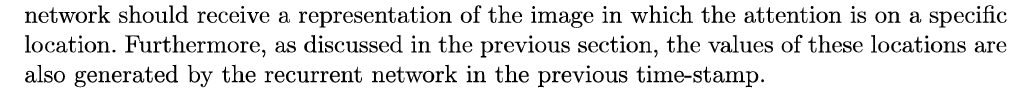
A close up of text

Description automatically generated



A close-up of a text

Description automatically generated

**Attention mechanism for Image captioning**

A diagram of a path

Description automatically generated

Fig: Visual attention in Image captioning

A text on a page

Description automatically generated

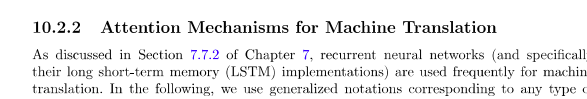
A close up of text

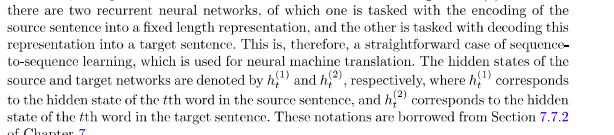
Description automatically generated

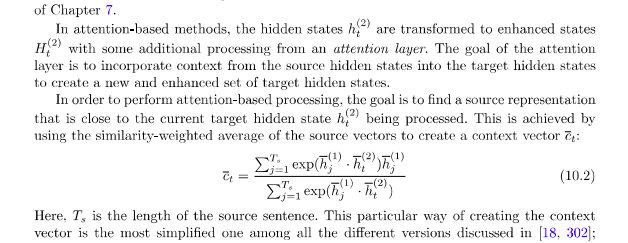
A close up of text

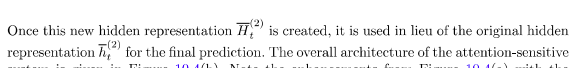
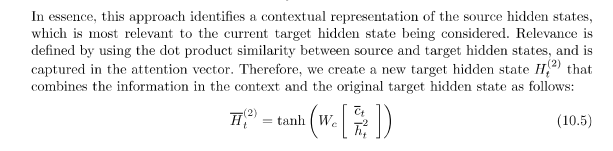
Description automatically generated

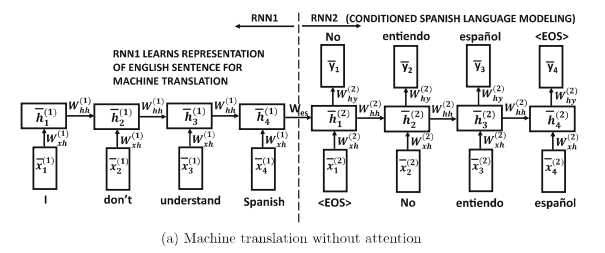
**Attention mechanism for Machine Translation**

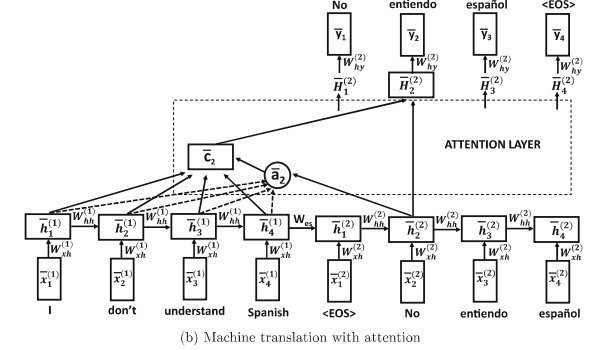




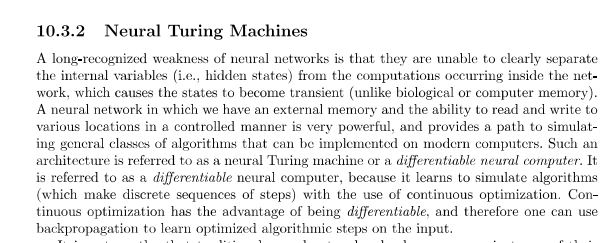


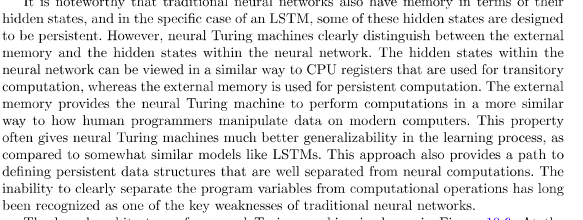


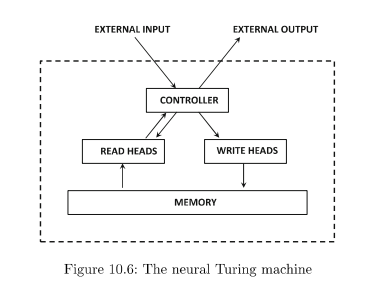


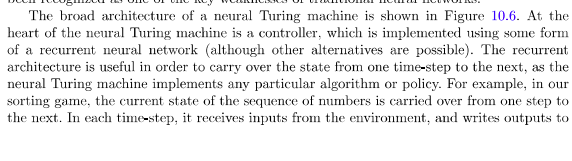


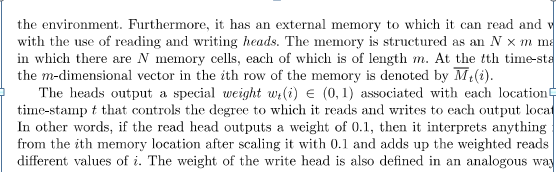
**Neural Turing Machine**

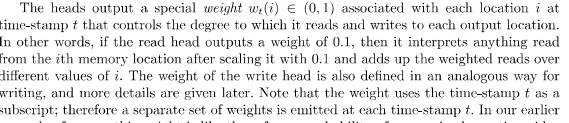








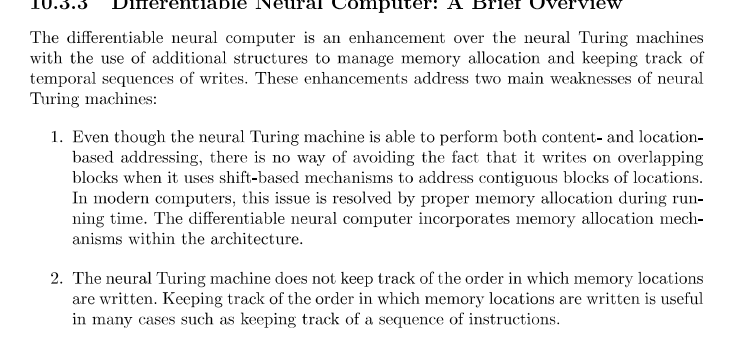




What are the weaknesses of Neural Turing Machines:

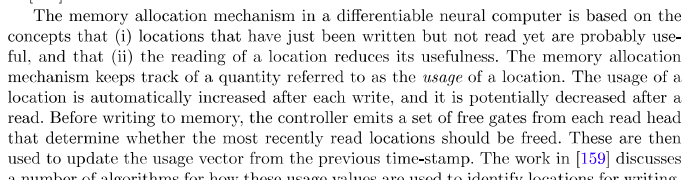
(OR)

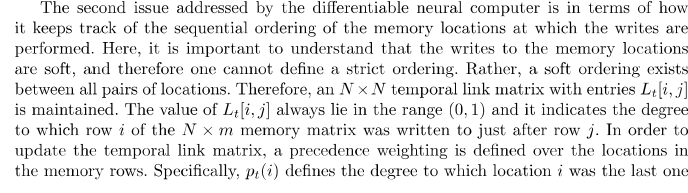
Differentiable Neural Computer

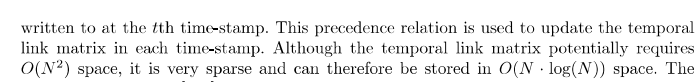


How these two weakness are overcome in Differatiable Neural computer:

1.



2. 

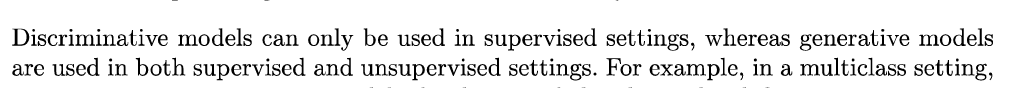


Generative Adversarial Networks (GANs)

Two types of learning models used for creating adversarial Nwtworks are:

A paper with text and numbers

Description automatically generated with medium confidence



A close up of text

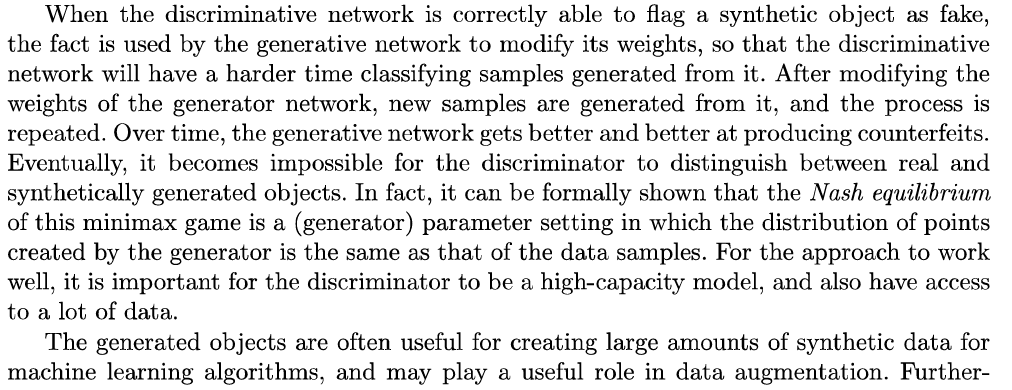
Description automatically generated

A close up of text

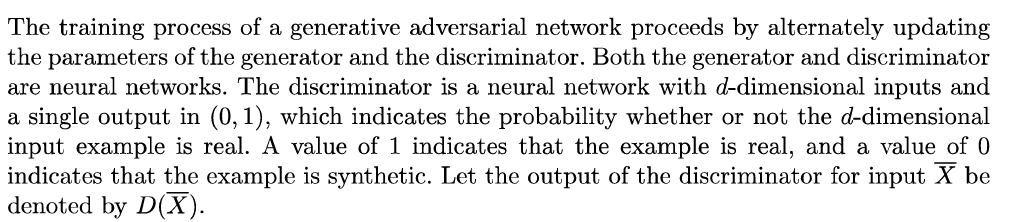
Description automatically generated

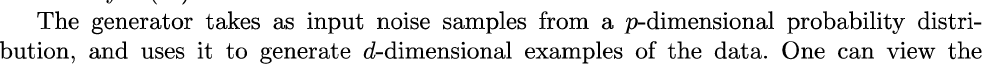
A close up of a text

Description automatically generated



Training GANs





A close up of a text

Description automatically generated

A white background with black text

Description automatically generated

A math equations and formulas on a white background

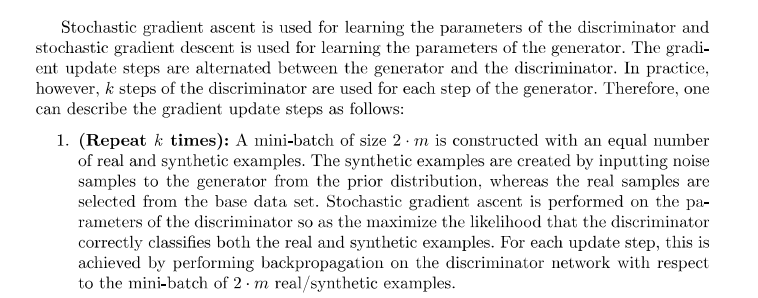
Description automatically generated

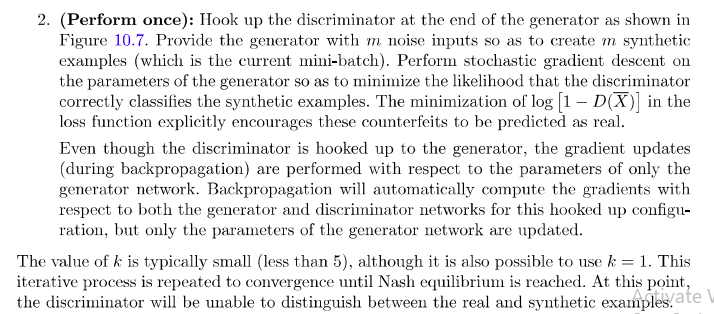
A close-up of a text

Description automatically generated

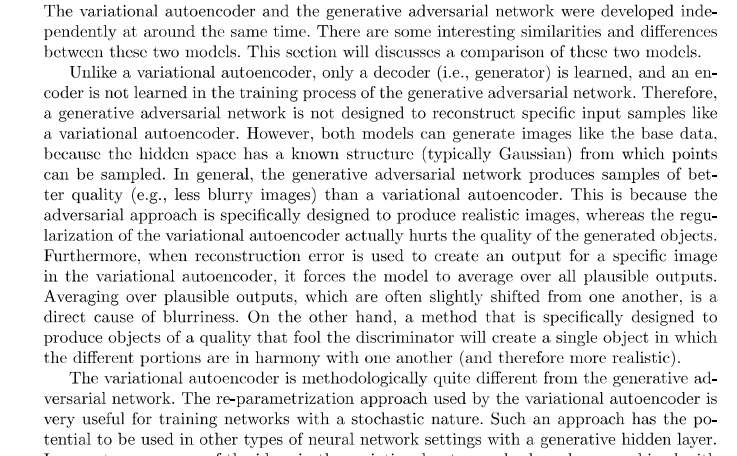
A diagram of a sample

Description automatically generated

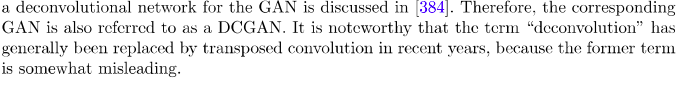
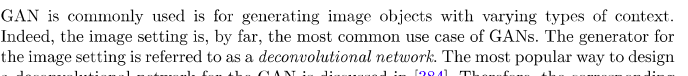


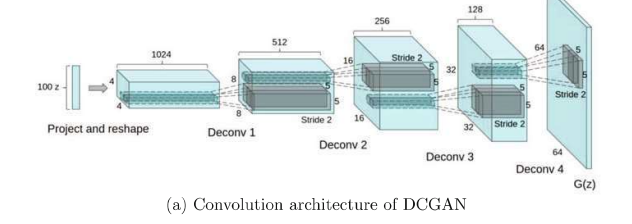


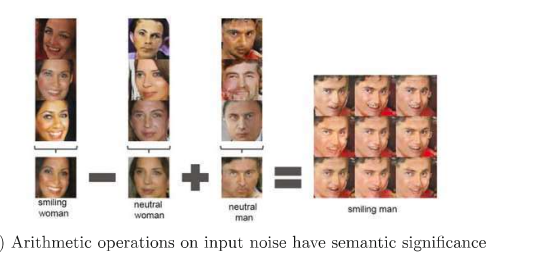
Comparison of Variational Autoencoder and GANS

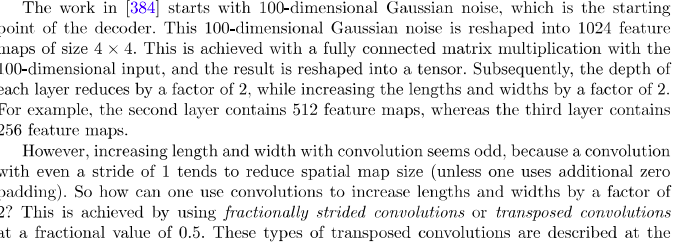


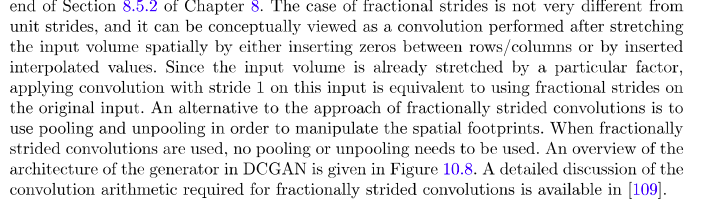
**Using GANS for generating Image data**

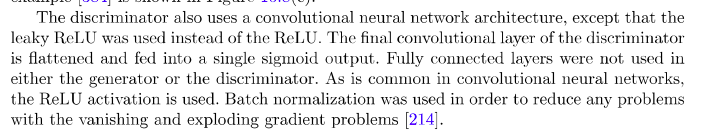




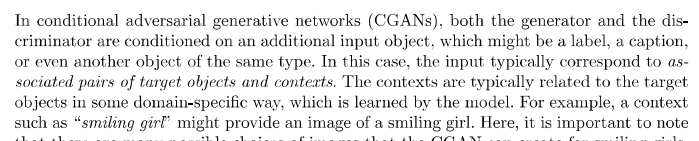


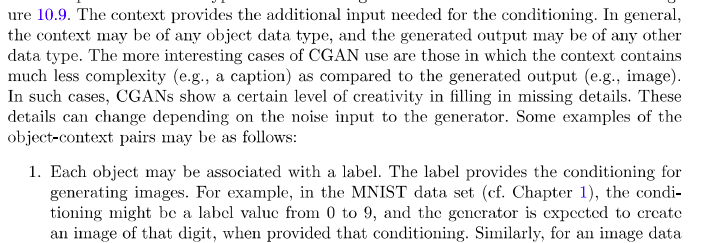


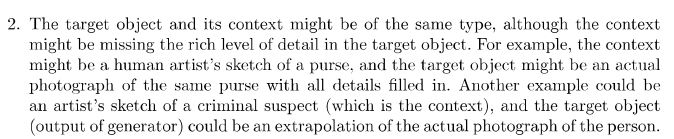


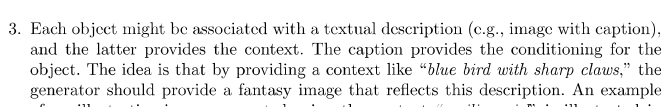


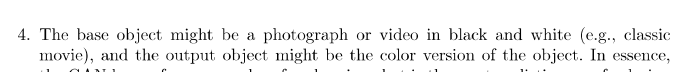
**Conditional Generative Adversarial Networks**

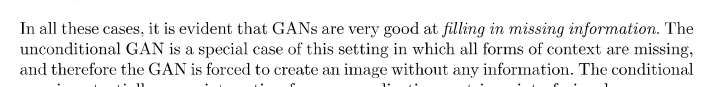




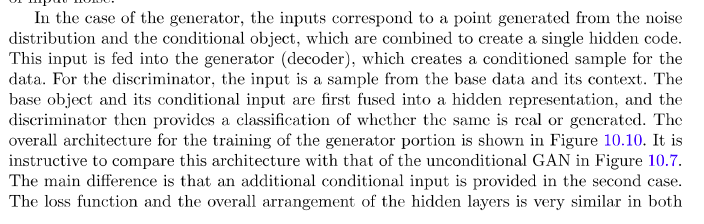


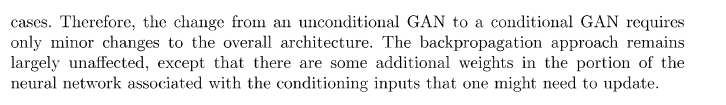


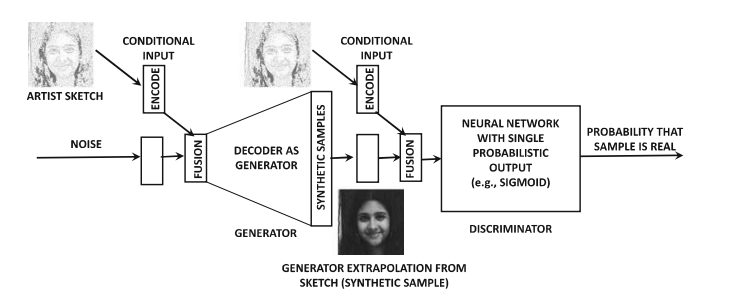




**CGGAN to generate actual photograph from artistic image**

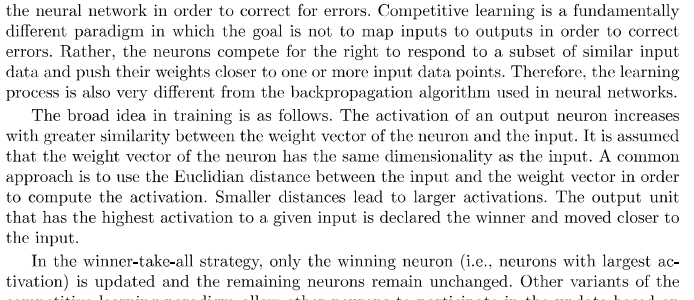




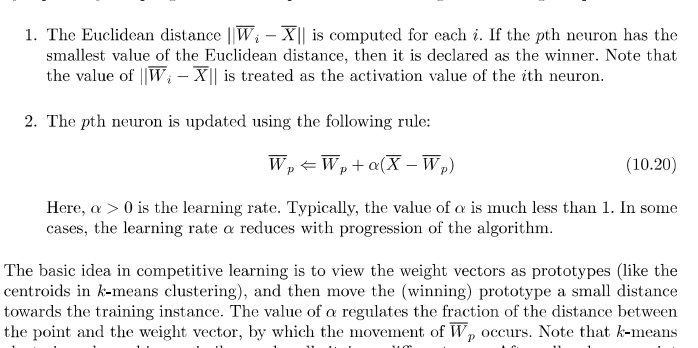


**Competitive Learning**

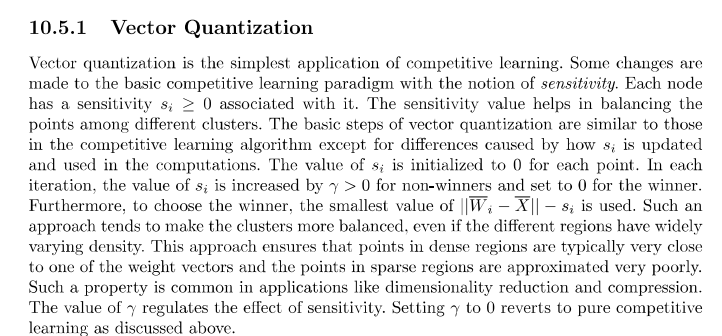
**In neural networks, weights will be updated to minimize the error.**

****

Simple verson of competitivelearning

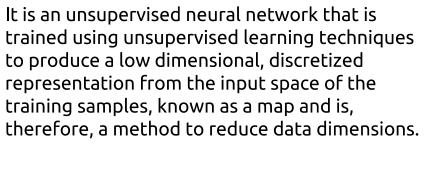


**Vector Quantization**

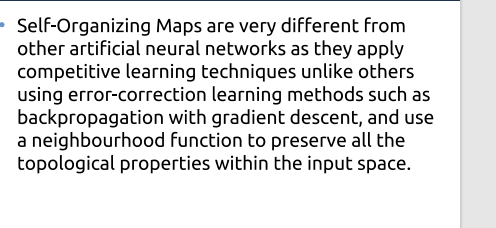
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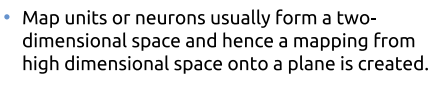
**Kohonen Self Organizing Map**

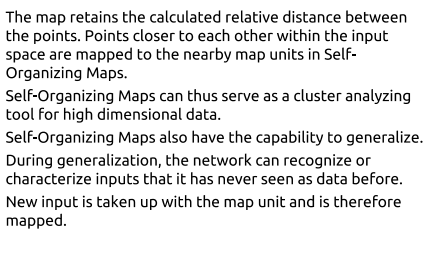
**What is K-SOm**

****

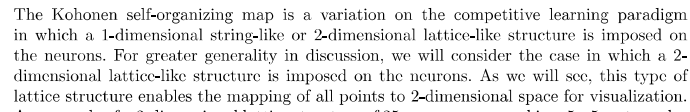
**Read the following to get basic understaning**

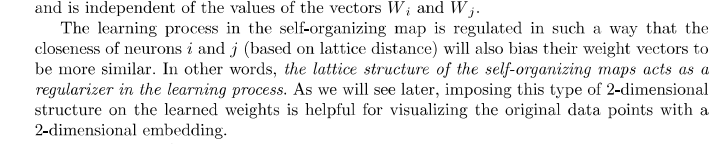


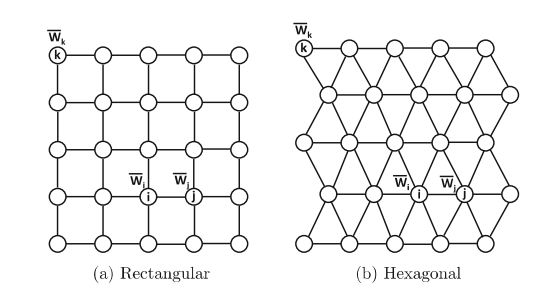


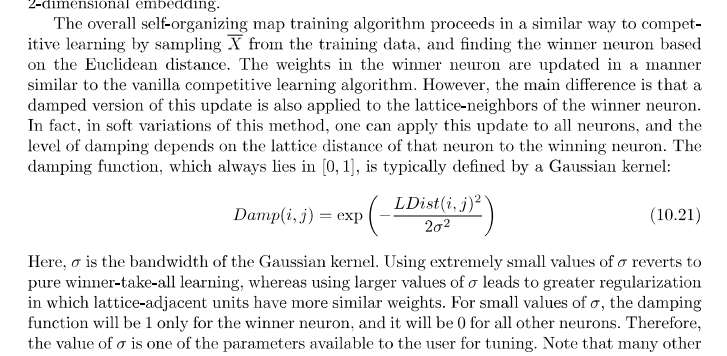


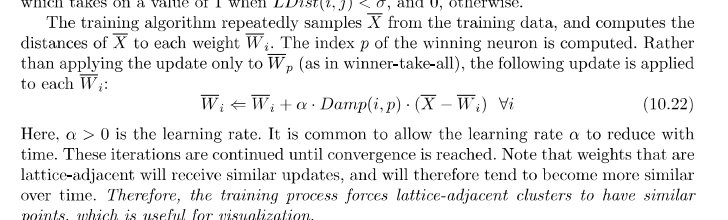
**Explain about K-SOM (From text book)**











**Limitations of Neural Networks**