

# Self-Organizing Maps By Teuvo Kohonen

By Teuvo Kohonen

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## T. Kohonen, Self- Organizing Maps - Aalto -

Book on Self-Organizing Maps T. Kohonen, Self-Organizing Maps New, extended edition in 2001! Springer Series in Information Sciences, Vol. 30, Springer

<http://www.cis.hut.fi/research/som-research/book/>

## Self- Organizing Maps - the Kohonen's algorithm -

How Self Organizing Maps work. The SOM was proposed in 1984 by Teuvo Kohonen, a Finnish academician. It is based in the process of task clustering that occurs in our

<http://ivape3.blogs.uv.es/2015/03/15/self-organizing-maps-the-kohonens-algorithm-explained/>

## Self- Organizing Maps (9783540679219) by Kohonen, -

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[http://www.bookfinder.com/book/9783540679219/Self-Organizing\\_Maps/](http://www.bookfinder.com/book/9783540679219/Self-Organizing_Maps/)

## Self- Organizing Maps | Applications | InTechOpen -

Self-organizing maps are first expressed by Teuvo Kohonen. Self organizing maps pdf elaborates the existing information about its applications to fields|IntechOpen

<http://www.intechopen.com/books/applications-of-self-organizing-maps>

### **Teuvo Kohonen - Aalto -**

Teuvo Kohonen Dr. Eng., (2001) of his book Self-Organizing Maps. Since the 1960s, Professor Kohonen has introduced several new concepts to neural computing:

<http://users.ics.aalto.fi/teuvo/>

### **User:Teuvo Kohonen - Scholarpedia -**

Jan 25, 2013 Featured Author: Teuvo Kohonen. Teuvo Kohonen (b. July 11, 1934, Lauritsala, Finland) of which "Self-Organizing Maps" (Springer, 1995, 3rd ed. 2001)

[http://www.scholarpedia.org/article/User:Teuvo\\_Kohonen](http://www.scholarpedia.org/article/User:Teuvo_Kohonen)

### **Self- Organizing Maps - Worcester Polytechnic -**

I. Introduction Self-organizing maps (SOMs) are a data visualization technique invented by Professor Teuvo Kohonen which reduce the dimensions of data through the use

<http://davis.wpi.edu/~matt/courses/soms/>

### **TUCS Distinguished Lecture 15.5.2014, Teuvo -**

May 18, 2014 Teuvo Kohonen, Aalto University, Finland: "Data Management by Self-Organizing Maps" Abstract: The Self-Organizing Map (SOM) is an automatic data-mining and

<http://www.youtube.com/watch?v=iWPhGKniTew>

### **and Teuvo Kohonen. Self- organizing semantic maps -**

The Self-Organizing Map (SOM) forms a nonlinear projection from a high-dimensional data manifold onto a low-dimensional grid. A representative model of some subset of

<http://citeseerx.ist.psu.edu/showciting?cid=2684147>

### **Self Organizing Maps - JMP -**

The Self-Organizing Maps (SOMs) technique was developed by Teuvo Kohonen (1989) and further extended by a number of other neural network enthusiasts and statisticians.

[http://www.jmp.com/support/help/Self\\_Organizing\\_Maps.shtml](http://www.jmp.com/support/help/Self_Organizing_Maps.shtml)

### **The Self- Organizing Map (SOM) - Aalto -**

The Self-Organizing Map (SOM) by Teuvo Kohonen Introduction. The SOM is a new, effective software tool for the visualization of high-dimensional data.

<http://www.cis.hut.fi/projects/somtoolbox/theory/somalgorithm.shtml>

### **Self- Organizing Maps | Springer -**

Self-Organizing Maps. Authors: Kohonen, Teuvo Buy this book eBook \$159 Professor Teuvo Kohonen. Pages 245-261. Preview Buy Chapter \$29.95. Software Tools for SOM.

<http://www.springer.com/us/book/9783540679219>

### **generation5 - Teuvo Kohonen -**

Dr. Teuvo Kohonen is a key pioneer in self-organizing neural networks. the self-organizing feature maps (SOMs), the learning vector quantization

<http://www.generation5.org/content/2000/tkohonen.asp>

### **Kohonen network - Scholarpedia -**

The Self-Organizing Map (SOM), commonly also known as Kohonen network (Kohonen 1982, Kohonen 2001) Teuvo Kohonen's website; Timo Honkela's website; See Also.

[http://www.scholarpedia.org/article/Kohonen\\_network](http://www.scholarpedia.org/article/Kohonen_network)

### **Self- Organizing Maps by Teuvo Kohonen Reviews, -**

The Self-Organizing Map (SOM), with its variants, is the most popular artificial neural network algorithm in the unsupervised learning category.

[http://www.goodreads.com/book/show/838949.Self\\_Organizing\\_Maps](http://www.goodreads.com/book/show/838949.Self_Organizing_Maps)

### **Teuvo Kohonen | Barnes & Noble -**

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<http://www.barnesandnoble.com/c/teuvo-kohonen>

### **Self- Organizing Maps / Edition 3 by Teuvo -**

The Self-Organizing Map (SOM), with its variants, is the most popular artificial neural network algorithm in the unsupervised learning category.

<http://www.barnesandnoble.com/s/9783540679219>

### **Self- Organization and Associative Memory by -**

Self-Organization and Associative Memory by Teuvo Kohonen Self-Organizing Maps. by Teuvo Kohonen.

<http://www.alibris.com/Self-Organization-and-Associative-Memory-Teuvo-Kohonen/book/5997688>

### **Teuvo Kohonen -**

Teuvo Kohonen Self-Organizing Maps Publisher: Springer; 3rd edition (November 16, 2000) Language: English Pages: 521 ISBN: 978-3540679219 Size: 17.97 MB

<http://yporpdf.owendaveymusic.com/self-organizing-maps-teuvo-19635151.pdf>

### **Self- organizing maps - viscovery.net -**

Self-organizing maps (SOMs, also referred to as Kohonen maps) since their introduction by Prof. Teuvo Kohonen in the early 1980s,

<https://www.viscovery.net/self-organizing-maps>

### **Teuvo Kohonen (Author of Self- Organizing Maps) -**

Teuvo Kohonen is the author of Self-Organizing Maps (4.10 avg rating, 10 ratings, 2 reviews, published 1995), Self Organization And Associative Memory (5

[http://www.goodreads.com/author/show/160361.Teuvo\\_Kohonen](http://www.goodreads.com/author/show/160361.Teuvo_Kohonen)

### **dblp: Teuvo Kohonen -**

Panu Somervuo, Teuvo Kohonen: Clustering and Visualization of Large Protein Sequence Databases by Means of an Extension on the Self-Organizing Map.

<http://dblp.uni-trier.de/pers/hd/k/Kohonen:Teuvo>

### **Self- organized formation of topologically -**

Teuvo Kohonen show all 1 hide Automatic formation of topological maps of patterns in a self-organizing system. In: Self-organized formation of  
<http://link.springer.com/article/10.1007%2FBF00337288>

### **'Using Self- Organizing Feature Maps ( Kohonen -**

One of the most interesting aspects of Self-Organizing Feature Maps (Kohonen maps) as an artificial neural network by the Finnish professor Teuvo Kohonen,  
<https://www.mql5.com/en/articles/283>

### **Self- organizing map - GIS Wiki | The GIS -**

"Intro to SOM by Teuvo Kohonen". Replacing outliers and missing values from activated sludge data using Kohonen Self Organizing Map. Journal of  
[http://wiki.gis.com/wiki/index.php/Self-organizing\\_map](http://wiki.gis.com/wiki/index.php/Self-organizing_map)

### **Self- Organizing Maps - Springer -**

Self-Organizing Maps. Authors: Professor Teuvo Kohonen Professor Teuvo Kohonen. Download PDF (6682KB) Book Chapter. Pages 71-104. Neural Modeling.  
<http://link.springer.com/book/10.1007/978-3-642-56927-2>

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<http://www.alibris.com/Self-Organizing-Maps-Teuvo-Kohonen/book/5997723>

### **Teuvo Kohonen - Wikipedia, the free encyclopedia -**

Teuvo Kohonen (born July 11, 1934) is a prominent Finnish academician and researcher. He is His most famous contribution is the Self-Organizing Map  
[http://en.wikipedia.org/wiki/Teuvo\\_Kohonen](http://en.wikipedia.org/wiki/Teuvo_Kohonen)

### **MATLAB Implementations and Applications of the -**

The famous "Self-Organizing Map" (SOM) data-analysis algorithm developed by Professor Teuvo Kohonen has resulted in thousands of applications in science and technology.  
[http://docs.unigrafia.fi/publications/kohonen\\_teuvo/](http://docs.unigrafia.fi/publications/kohonen_teuvo/)