

# North America Neural Network Softwares Market (2016 - 2022)

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## Abstracts

Neural network software is used in stimulating, researching, developing, and applying artificial neural networks to a wide array of adaptive systems such as artificial intelligence and machine learning. Neural network simulators are software applications used in stimulating the behavior of artificial or biological neural networks, with a focus on one or a limited number of specific types of neural networks. The most common type of neural network software historically was use in researching neural network structures and algorithms. The modern type of development environments majorly favors the component based systems. The rapid developments in infrastructure and higher adoption of digital technologies are the two major drivers that have contributed to the growth of the neural network software market. Furthermore, the U.S is the most technologically advanced region with the presence of different business verticals such as BFSI, healthcare, retail & eCommerce, energy & utilities, and many others. Major challenges of the component-based development environments are that they are more complex than simulators and require more learning to fully operate and are more complicated to develop. The challenge also arises in sharing the neural networks among different applications, as a common language is necessary for the same. Nevertheless, to address the challenges, Predictive Model Markup Language (PMML) has been proposed to address the same. PMML is an XML-based language providing a way for applications to define and share neural network models (and other data mining models) between PMML compliant applications.

Based on type, the market is segmented into Analytical Software, Optimization Software, Data Mining & Archiving, and Visualization Software. Optimization is further divided into Genetic Algorithm and Simulated Annealing. Based on Vertical, market is segmented into BFSI, Government & Defense, Government & Defense, Government & Defense, Industrial Manufacturing, Media, Retail & Ecommerce, Telecom & IT,

Transportation & Logistics, and Others.

Based on country, North America Neural Networks Software market is segmented into US, Canada, Mexico, and Rest of North America. US remained the dominant region in the North America Neural Networks Software market in 2015. Mexico and Canada would witness promising CAGR during the forecast period (2016-2022).

The report covers the analysis of key stake holders of the Neural Networks Software market. Key companies profiled in the report include IBM Corporation, Microsoft Corporation, HP Enterprise Company, Google Inc., Oracle Corporation, SAP SE, Qualcomm Incorporated and Intel Corporation.

## Contents

### **CHAPTER 1. MARKET SCOPE & METHODOLOGY**

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
  - 1.4.1 North America Neural Network Software Market, by Type
  - 1.4.2 North America Neural Network Software Market, by Vertical
  - 1.4.3 North America Neural Network Software Market, by Country
- 1.5 Methodology for the research

### **CHAPTER 2. EXECUTIVE SUMMARY**

### **CHAPTER 3. MARKET OVERVIEW**

- 3.1 Introduction
- 3.2 Drivers, Restraints and Opportunities
  - 3.2.1 Market Drivers
  - 3.2.2 Market Restraints

### **CHAPTER 4. NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET**

- 4.1 North America Neural Network Software Market by Type
  - 4.1.1 North America Analytical Software Neural Network Software Market by Country
  - 4.1.2 North America Optimization Software Neural Network Software Market by Country
  - 4.1.3 North America Optimization Software Neural Network Software Market by Type
    - 4.1.3.1 North America Genetic Algorithm Optimization Software Market by Country
    - 4.1.3.2 North America Simulated Annealing Optimization Software Market by Country
  - 4.1.4 North America Data Mining & Archiving Neural Network Software Market by Country
  - 4.1.5 North America Visualization Software Neural Network Software Market by Country

### **CHAPTER 5. NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY VERTICAL**

## 5.1 Introduction

5.1.1 North America Neural Network Software in BFSI Market by Country

5.1.2 North America Neural Network Software in Government & Defense Market by Country

5.1.3 North America Neural Network Software in Energy & Utilities Market by Country

5.1.4 North America Neural Network Software in Healthcare & Life Sciences Market by Country

5.1.5 North America Neural Network Software in Industrial Manufacturing Market by Country

5.1.6 North America Neural Network Software in Media Market by Country

5.1.7 North America Neural Network Software in Retail & Ecommerce Market by Country

5.1.8 North America Neural Network Software in Telecom & IT Market by Country

5.1.9 North America Neural Network Software in Transportation & Logistics Market by Country

5.1.10 North America Neural Network Software in Other Vertical Market by Country

## **CHAPTER 6. NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY COUNTRY**

### 6.1 Introduction

#### 6.2 US Neural Network Software Market

6.2.1 US Neural Network Software Market by Type

6.2.1.1 US Optimization Software Neural Network Software Market by Type

6.2.2 US Neural Network Software Market by Vertical

#### 6.3 Canada Neural Network Software Market

6.3.1 Canada Neural Network Software Market by Type

6.3.1.1 Canada Optimization Software Neural Network Software Market by Type

6.3.2 Canada Neural Network Software Market by Vertical

#### 6.4 Mexico Neural Network Software Market

6.4.1 Mexico Neural Network Software Market by Type

6.4.1.1 Mexico Optimization Software Neural Network Software Market by Type

6.4.2 Mexico Neural Network Software Market by Vertical

#### 6.5 Rest of North America Neural Network Software Market

6.5.1 Rest of North America Neural Network Software Market by Type

6.5.1.1 Rest of North America Optimization Software Neural Network Software Market by Type

6.5.2 Rest of North America Neural Network Software Market by Vertical

## **CHAPTER 7. COMPANY PROFILES**

### **7.1 IBM Corporation**

#### **7.1.1 Company Overview**

#### **7.1.2 Financial Analysis**

#### **7.1.3 Business Segment Analysis**

#### **7.1.4 Research and Development Cost**

### **7.2 Microsoft Corporation**

#### **7.2.1 Company Overview**

#### **7.2.2 Financial Analysis**

#### **7.2.3 Business Segment Analysis**

#### **7.2.4 Research and Development Cost**

### **7.3 HP Enterprise Company**

#### **7.3.1 Company Overview**

#### **7.3.2 Financial Analysis**

#### **7.3.3 Segmental Analysis**

#### **7.3.4 Research & Development**

### **7.4 Google Inc.**

#### **7.4.1 Company Overview**

#### **7.4.2 Financial Analysis**

#### **7.4.3 Business Segment and Regional Analysis**

#### **7.4.4 Research and Development Cost**

### **7.5 Oracle Corporation**

#### **7.5.1 Company Overview**

#### **7.5.2 Financial Analysis**

#### **7.5.3 Business Segment and Regional Analysis**

#### **7.5.4 Research and Development Cost**

### **7.6 SAP SE**

#### **7.6.1 Company Overview**

#### **7.6.2 Financial Analysis**

#### **7.6.3 Business Segment Analysis**

#### **7.6.4 Research and Development Cost**

### **7.7 Qualcomm Incorporated**

#### **7.7.1 Company overview**

#### **7.7.2 Financial Analysis**

#### **7.7.3 Business Segment Analysis**

#### **7.7.4 Research and Development Cost**

### **7.8 Intel Corporation**

#### **7.8.1 Company Overview**

7.8.2 Financial Analysis

7.8.3 Segmental Analysis

7.8.4 Research & Development

## List Of Tables

### LIST OF TABLES

TABLE 1 NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET, 2012 - 2015, USD MILLION

TABLE 2 NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET, 2016 - 2022, USD MILLION

TABLE 3 NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 4 NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 5 NORTH AMERICA ANALYTICAL SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 6 NORTH AMERICA ANALYTICAL SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 7 NORTH AMERICA OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 8 NORTH AMERICA OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 9 NORTH AMERICA OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 10 NORTH AMERICA OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 11 NORTH AMERICA GENETIC ALGORITHM OPTIMIZATION SOFTWARE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 12 NORTH AMERICA GENETIC ALGORITHM OPTIMIZATION SOFTWARE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 13 NORTH AMERICA SIMULATED ANNEALING OPTIMIZATION SOFTWARE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 14 NORTH AMERICA SIMULATED ANNEALING OPTIMIZATION SOFTWARE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 15 NORTH AMERICA DATA MINING & ARCHIVING NEURAL NETWORK SOFTWARE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 16 NORTH AMERICA DATA MINING & ARCHIVING NEURAL NETWORK SOFTWARE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 17 NORTH AMERICA VISUALIZATION SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 18 NORTH AMERICA VISUALIZATION SOFTWARE NEURAL NETWORK

SOFTWARE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 19 NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY VERTICAL, 2012 - 2015, USD MILLION

TABLE 20 NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY VERTICAL, 2016 - 2022, USD MILLION

TABLE 21 NORTH AMERICA NEURAL NETWORK SOFTWARE IN BFSI MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 22 NORTH AMERICA NEURAL NETWORK SOFTWARE IN BFSI MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 23 NORTH AMERICA NEURAL NETWORK SOFTWARE IN GOVERNMENT & DEFENSE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 24 NORTH AMERICA NEURAL NETWORK SOFTWARE IN GOVERNMENT & DEFENSE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 25 NORTH AMERICA NEURAL NETWORK SOFTWARE IN ENERGY & UTILITIES MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 26 NORTH AMERICA NEURAL NETWORK SOFTWARE IN ENERGY & UTILITIES MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 27 NORTH AMERICA NEURAL NETWORK SOFTWARE IN HEALTHCARE & LIFE SCIENCES MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 28 NORTH AMERICA NEURAL NETWORK SOFTWARE IN HEALTHCARE & LIFE SCIENCES MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 29 NORTH AMERICA NEURAL NETWORK SOFTWARE IN INDUSTRIAL MANUFACTURING MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 30 NORTH AMERICA NEURAL NETWORK SOFTWARE IN INDUSTRIAL MANUFACTURING MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 31 NORTH AMERICA NEURAL NETWORK SOFTWARE IN MEDIA MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 32 NORTH AMERICA NEURAL NETWORK SOFTWARE IN MEDIA MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 33 NORTH AMERICA NEURAL NETWORK SOFTWARE IN RETAIL & ECOMMERCE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 34 NORTH AMERICA NEURAL NETWORK SOFTWARE IN RETAIL & ECOMMERCE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 35 NORTH AMERICA NEURAL NETWORK SOFTWARE IN TELECOM & IT MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 36 NORTH AMERICA NEURAL NETWORK SOFTWARE IN TELECOM & IT MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 37 NORTH AMERICA NEURAL NETWORK SOFTWARE IN TRANSPORTATION & LOGISTICS MARKET BY COUNTRY, 2012 - 2015, USD



MILLION

TABLE 38 NORTH AMERICA NEURAL NETWORK SOFTWARE IN  
TRANSPORTATION & LOGISTICS MARKET BY COUNTRY, 2016 - 2022, USD  
MILLION

TABLE 39 NORTH AMERICA NEURAL NETWORK SOFTWARE IN OTHER  
VERTICAL MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 40 NORTH AMERICA NEURAL NETWORK SOFTWARE IN OTHER  
VERTICAL MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 41 NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY  
COUNTRY, 2012 - 2015, USD MILLION

TABLE 42 NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY  
COUNTRY, 2016 - 2022, USD MILLION

TABLE 43 US NEURAL NETWORK SOFTWARE MARKET, 2012 - 2015, USD  
MILLION

TABLE 44 US NEURAL NETWORK SOFTWARE MARKET, 2016 - 2022, USD  
MILLION

TABLE 45 US NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2012 - 2015,  
USD MILLION

TABLE 46 US NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2016 - 2022,  
USD MILLION

TABLE 47 US OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE  
MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 48 US OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE  
MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 49 US NEURAL NETWORK SOFTWARE MARKET BY VERTICAL, 2012 -  
2015, USD MILLION

TABLE 50 US NEURAL NETWORK SOFTWARE MARKET BY VERTICAL, 2016 -  
2022, USD MILLION

TABLE 51 CANADA NEURAL NETWORK SOFTWARE MARKET, 2012 - 2015, USD  
MILLION

TABLE 52 CANADA NEURAL NETWORK SOFTWARE MARKET, 2016 - 2022, USD  
MILLION

TABLE 53 CANADA NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2012 -  
2015, USD MILLION

TABLE 54 CANADA NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2016 -  
2022, USD MILLION

TABLE 55 CANADA OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE  
MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 56 CANADA OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE

MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 57 CANADA NEURAL NETWORK SOFTWARE MARKET BY VERTICAL, 2012 - 2015, USD MILLION

TABLE 58 CANADA NEURAL NETWORK SOFTWARE MARKET BY VERTICAL, 2016 - 2022, USD MILLION

TABLE 59 MEXICO NEURAL NETWORK SOFTWARE MARKET, 2012 - 2015, USD MILLION

TABLE 60 MEXICO NEURAL NETWORK SOFTWARE MARKET, 2016 - 2022, USD MILLION

TABLE 61 MEXICO NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 62 MEXICO NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 63 MEXICO OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 64 MEXICO OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 65 MEXICO NEURAL NETWORK SOFTWARE MARKET BY VERTICAL, 2012 - 2015, USD MILLION

TABLE 66 MEXICO NEURAL NETWORK SOFTWARE MARKET BY VERTICAL, 2016 - 2022, USD MILLION

TABLE 67 REST OF NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET, 2012 - 2015, USD MILLION

TABLE 68 REST OF NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET, 2016 - 2022, USD MILLION

TABLE 69 REST OF NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 70 REST OF NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 71 REST OF NORTH AMERICA OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 72 REST OF NORTH AMERICA OPTIMIZATION SOFTWARE NEURAL NETWORK SOFTWARE MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 73 REST OF NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY VERTICAL, 2012 - 2015, USD MILLION

TABLE 74 REST OF NORTH AMERICA NEURAL NETWORK SOFTWARE MARKET BY VERTICAL, 2016 - 2022, USD MILLION

TABLE 75 KEY INFORMATION – IBM CORPORATION

TABLE 76 KEY INFORMATION - MICROSOFT CORPORATION

TABLE 77 KEY INFORMATION - HP ENTERPRISE COMPANY

TABLE 78 KEY INFORMATION - GOOGLE INC.

TABLE 79 KEY INFORMATION – ORACLE CORPORATION

TABLE 80 KEY INFORMATION – SAP SE

TABLE 81 KEY INFORMATION – QUALCOMM INCORPORATED

TABLE 82 KEY INFORMATION - INTEL CORPORATION

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