



Figure 1: Use this neural network to answer the problem below.

3) Using Figure 1, answer the following questions. Assume there are no bias terms contributing to the input nor any of the activations in each layer.

a. How many layers (L) are there in this neural network? (2 point)

b. How many classes will this neural network classify? (2 point)

c. What are the dimensions of $W^{(2)}$? (4 points)

d. State the equation for $a_2^{(3)}$. (4 points)

Neural Network Exam Question Solution

Raffaela Di Napoli



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legal texts and international investment agreements and contracts Reflecting the many facets and the interdisciplinary character of AI and Law the book will be of interest to all those whose work involves them in these fields *Big Data Analytics in Astronomy, Science, and Engineering* Shelly Sachdeva, Yutaka Watanobe, Subhash Bhalla, 2025-03-30 This book constitutes the proceedings of the 12th International Conference on Big Data Analytics in Astronomy Science and Engineering BDA 2024 which took place in Aizu Japan during November 26 28 2024 The 16 full papers included in this book were carefully reviewed and selected from 90 submissions the proceedings also include 6 invited papers The contributions were organized in topical sections as follows Big Data analysis and management data science big data applications and information security

Artificial Intelligence Research Auroa Gerber, Jacques Maritz, Anban W. Pillay, 2024-12-01 This book constitutes the refereed proceedings of the 5th Southern African Conference on Artificial Intelligence Research SACAIR 2024 held in Bloemfontein South Africa during December 2 6 2024 The 29 full papers presented in these proceedings were carefully reviewed and selected from 101 submissions The papers are organized in the following topical sections algorithmic and Data Driven AI socio technical and human centred AI Information Systems responsible and Ethical AI Philosophy Law and Humanities symbolic AI and Knowledge Representation and Reasoning

Computer Supported Cooperative Work and Social Computing Yuqing Sun, Tun Lu, Zhengtao Yu, Hongfei Fan, Liping Gao, 2019-11-13 This book constitutes the refereed proceedings of the 14th CCF Conference on Computer Supported Cooperative Work and Social Computing Chinese CSCW 2019 held in Kunming China in August 2019 The 52 revised full papers and 10 short papers were carefully reviewed and selected from 169 submissions The papers of this volume are organized in topical sections on collaborative models approaches algorithms and systems social computing online communities crowdsourcing recommendation sentiment analysis etc AI for CSCW and social computing

Selected Papers on Optical Neural Networks Suganda Jutamulia, 1994

Data Mining with Neural Networks Joseph P. Bigus, 1996 readers will find concrete implementation strategies reinforced with real world business examples and a minimum of formulas and case studies drawn from a broad range of industries The book illustrates the popular data mining functions of classification clustering modeling and time series forecasting through examples developed using the IBM Neural Network Utility

Auditing & Systems Irvin N. Gleim, William A. Hillison, Grady M. Irwin, 2003 *Journal of Neural Network Computing*, 1991 *Transactions of the American Society of Civil Engineers* American Society of Civil Engineers, 2003 Vols 29 30 contain papers of the International Engineering Congress Chicago 1893 v 54 pts A F papers of the International Engineering Congress St Louis 1904

Statistical Mechanics of Neural Networks Luis Garrido, 1990-12-12 Combined for researchers and graduate students the articles from the Sitges Summer School together form an excellent survey of the applications of neural network theory to statistical mechanics and computer science biophysics Various mathematical models are presented together with their interpretation especially those to do with collective behaviour learning and storage capacity and dynamical stability *Applications of Artificial Neural Networks III*

Steven K. Rogers,1992 *TIMS/ORSA Bulletin* ,1992 **IJCNN, International Joint Conference on Neural Networks**
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