Neural Network Questions and Answers – Introduction

This set of Neural Networks Multiple Choice Questions & Answers (MCQs) focuses on "Introduction".

1. Why do we need biological neural networks?
a) to solve tasks like machine vision & natural language processing
b) to apply heuristic search methods to find solutions of problem
c) to make smart human interactive & user friendly system
d) all of the mentioned

View Answer

2. What is the trend in software nowadays?
a) to bring computer more & more closer to user
b) to solve complex problems
c) to be task specific
d) to be versatile

View Answer

3. What's the main point of difference between human & machine intelligence?
a) human perceive everything as a pattern while machine perceive it merely as data
b) human have emotions
c) human have more IQ & intellect
d) human have sense organs

View Answer

4. What is auto-association task in neural networks?
a) find relation between 2 consecutive inputs
b) related to storage & recall task
c) predicting the future inputs
d) none of the mentioned

View Answer

5. Does pattern classification belongs to category of non-supervised learning?
a) yes
b) no

View Answer

6. In pattern mapping problem in neural nets, is there any kind of generalization involved between input & output?
a) yes
b) no

View Answer

7. What is unsupervised learning?
a) features of group explicitly stated
b) number of groups may be known
c) neither feature & nor number of groups is known
d) none of the mentioned

View Answer

8. Does pattern classification & grouping involve same kind of learning?
a) yes
b) no

View Answer

9. Does for feature mapping there's need of supervised learning?
a) yes
b) no

View Answer

10. Example of a unsupervised feature map?
a) text recognition
b) voice recognition
c) image recognition
d) none of the mentioned

View Answer

c) output pattern keeps on changing
d) output is static

View Answer

12. What is stability plasticity dilemma ?
a) system can neither be stable nor plastic
b) static inputs & categorization can't be handled
c) dynamic inputs & categorization can't be handled
d) none of the mentioned

View Answer

13. Drawbacks of template matching are?
a) time consuming
b) highly restricted
c) more generalized
d) none of the the mentioned

View Answer

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