

Definition of Intelligence

Nripesh Trivedi

Department of Mathematical Sciences, Indian Institute of Technology, Varanasi

Abstract

It is often wondered what is the relevance and the exact definition of intelligence. It is the question since there is not much application of artificial intelligence in everyday life. This is a simple observation from daily life. This paper tries to deal with that. It gives a simple definition of intelligence that can be used to demonstrate intelligence in daily life and build simple applications that one can use in everyday life.

Definition of Intelligence

The definition of intelligence is **correctness** [1][2]. By correctness, I mean **accurate**. Other meanings which are applicable are right and justified. This is the need of intelligence too. Intelligence is needed to solve problems as in [3]. It is also needed to give **correct** answers, thus the above definition of intelligence. Correctness is not just the definition of intelligence but it is also a measure of intelligence as that is how one can measure the extent of intelligence.

Further in **correctness**, degree of correctness, relevance, applicability, accuracy, justification and most probable solution are the other measures to look at. Basically, all the properties that make a solution or answer **correct** should be looked at and that could be used to build the intelligence.

Conclusion

In this paper, it was detailed that correctness and the related properties of correctness could be used to build the intelligence. The research in this paper can be used to build intelligent applications that will transform the everyday life of people. It will also lead to building of intelligent machines that would reduce the burden on people.

References

1. Trivedi, N. Method of performing machine learning.
2. Trivedi, N. Correctness. (Available on ResearchGate)
3. Artificial Intelligence. (2023). International Journal of Scientific Research and Management (IJSRM), 11(09), 914-914. <https://doi.org/10.18535/ijsrm/v11i09.ec01>