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Computation of Automatic Logistic Handling Using Artificial Intelligence in Data Mart Applications

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ABSTRACT – Today web crawlers are expected key part in social occasion information from wherever and play put. The data analytics is motorized process and convey particular essential administration comes to fruition. The artificial intelligence is the field of settling on decision and significant learning process. The proposed show exhibits that electronic big data analysis process and making diverse features using machine learning wellsprings of information and programming building model. This paper illuminates particular gathering, data check, data logging, constancy, dynamism of various pros at various conditions.

INDEX TERMS: Artificial Intelligence, Data Science, Big Data Analytics, Data Handling

1. INTRODUCTION

Google is one of the famous search engine, which is collected various data and analysis data for making successful decision. Artificial Intelligence is the machine learning technique for search engine to collect information. When Big Data analysis process the number of iteration to be considered and the information exchanged by internet. For example Amazon, IBM, Microsoft and other companies are developed various automated search engine and software architecture for handling natural language input data and extract data from database [1]. The CIA (Computer Information and Architecture) developed "Data Mart Cell" for analysis data automatically and making successful decision support system [2].

Amazon RedShit is the data analysis tool for collecting logs automatically based on number of input queries. The IT and ITeS are showing popularity of the various real time applications. Acting used IT approaches increases the speed, reliability, quality and automated in all the applications. The Industry needs automated data processing and analyzing agent [3]. The solution can be formulated by various characteristics such as input request, selling and delivering information, product details, etc. Data handing the critical process and targeting social data likes logs, access details, affected details by using mathematical approach. An AI based 'H' approach is statistical model for handle Big Data. It enables us to collect data log values. The proposed AI system is aimed to analyze various kind of data analyzing process such as social infrastructure, logistics services, financial services, reliability and end user product industry.

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2. GENERAL TERMS AND APPROACHES

Artificial Intelligence is the study of agent interaction system with intelligent behavior on the demand of various automated applications, internet application, e-commerce solutions, etc and intelligent behavior systems needed for the society. Decision based approaches such as extraction, queries models, statistical model, requires following dependencies

1. Working with Big Data
2. Reliable and Portable forecast processing
3. Working with large spatial problem
4. Production and non-linear problem
5. Machine learning and Software Architecture Approach

Extracting the effectiveness of different task including queries, demand forecasting and special model is required to solve real time systems [5].

AI is one of the demands for approval of credit/debit decision process, medical apps, cyber forensics, supply chain management, optimization, decision support systems, etc. Artificial Intelligence classifies as machine learning techniques, software model, and information operation and decision support systems. Machine learning techniques handling natural inputs from difference input medium, software architecture to a model based approach to handling real time operations. Inference rule specifies deep learning inputs, data analytics process, parallel and distributed systems. Deep learning includes machine learning process, natural learning process, knowledge discovery process, data conversion and status modeling [4].

A Modern analysis tool of customer demand and need the various automated software developed. For example the voice input collected from Google, the statistical machine learning, etc [6].

3. MODEL OF AI COMPUTATION

We propose a computational model for assigning execution time of each state. AI computing system defines following input states

1. Table Formation – Micro and Marco objective function
2. Automated and Aggregated input parameters
3. Extract information from cluster nodes and prediction factor

For example, we collected input from e-commerce database for customer and product delivery process.

Cust_IT	Values
A001	600
A002	750
B010	1,440

Table 1: Macro Table for customer processing

Cust_IT	Prod_IT	Values	Time	Cost
A001	P124	600	12.35	$67
A002	P135	750	22.45	$56
B010	P235	1,440	17.31	$25

Table 2: Micro Table for customer processing

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S.No	Cust_IT	Values	Method	Cost
1	A001	600	Get	$67
2	A002	750	Post	$56
3	B010	1,440	Post	$25

Table 3: Predict Table for customer ordering

$y=a_1x_1+a_2x_2+\ldots+a_nx_n$
y – Cart factor productivity
x – Number of input different actions
a – Number of inputs co-efficient

The following are the computation algorithm for calculating each stage values
Step 1: $V=\{v_0,v_1,v_2\ldots v_n\}$ – input values
Step 2: S – finite state belongs to V
Step 3: T is the set of traversal time as $T_1,T_2,..$
Step 4: Label – Function to assign each stage input for calculating computational time
Step 5: The final execution time
Vi -> $S\{[T_n]\}$ – n – number of Iterations

Example for computation time process

Each stage specifies by values of input parameters, execution time factor, stages and final result.

1.Execution Time:
The execution time calculated by input factors such as memory, cache, pipeline process. In this paper, we verify real time input propagation based on response and invariance factor.

$\sum U(\text{invariance}) \in S\{T_n\}$ where $n>=0$

2. Logistic data handling:
For handling NoSQL database inputs Table 4 extracts log details. Each values of cart information are prescribed and picked the product parameters. The purpose of this analysis to reduce various time taken at each values.

Data Collection	Log
Collection Time	12/12/2017 – 16/12/2017
Function	Working
Object	Inputs
Level	Select Parameters
Feature	Access ID

Table 4: Data Log Table order processing

The proposed was experimented by using working load data inputs. Finally the reduced working time was evaluated by input conditions. AI models various programming language inputs are implemented and analyzed by each characteristics. In this paper, temporal and inference values are measured by using axiom calculations. Axiom parameters are set by input training set up by table.

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Axiom of Q <= Time (T) – State U input conditions
B1_Time = Label (S1) – Initial Value
B2_Time = Label (S2) – Next Value
Axiom of Q <= Time (T) = Label values state S

CONCLUSION

In this paper, the AI based system implemented with machine learning, deep learning, and software architecture inputs. We collected computer based inputs and automated data analysis process handlers. We proposed real time application handlers for generating execution time and reduced work done time based on input modeling. We verified extracted inputs like relationship between learning inputs, log values and social data. The log data is evaluated and analyzed from risk based model and result to be implemented.

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