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Group : 4

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <!-- font awsome -->

    <title>Artificial intelegince</title>

</head>

<body>

    <header>

        <p class="logo">Artificial intelegince</p>

        <!-- list of anchor -->

        <ul>

            <li><a href="#home">home</a> </li>

            <li><a href="#Cognitive simulation">congnitive simulated</a></li>

            <li><a href="#Statistical">Statistical</a></li>

            <li><a href="#Application">Application</a></li>

        </ul>

    </header>

    <main>

        <div id="home">

            <p>Computer science defines AI research as the study of "intelligent agents": any device that perceives its

                environment and takes actions that maximize its chance of successfully achieving its goals A more

                elaborate definition characterizes AI as "a system's ability to correctly interpret external data, to

                learn from such data, and to use those learnings to achieve specific goals and tasks through flexible

                adaptation.</p>

        </div>

        <div id="Cognitive simulation">

            <p>Economist Herbert Simon and Allen Newell studied human problem-solving skills and attempted to formalize

                them, and their work laid the foundations of the field of artificial intelligence, as well as cognitive

                science, operations research and management science. Their research team used the results of

                psychological experiments to develop programs that simulated the techniques that people used to solve

                problems.</p>

            <!-- img of congnitive simulation -->

            <img src="img/Diagram-of-a-cognitive-model-implementing-like-me-simulation.png" alt="Cognitive simulation">

        </div>

        <div id="Statistical">

            <p>Much of traditional GOFAI got bogged down on ad hoc patches to symbolic computation that worked on their

                own toy models but failed to generalize to real-world results. However, around the 1990s, AI researchers

                adopted sophisticated mathematical tools, such as hidden Markov models (HMM), information theory, and

                normative Bayesian decision theory to compare or to unify competing architectures. The shared

                mathematical language permitted a high level of collaboration with more established fields (like

                mathematics, economics or operations research</p>

        </div>

        <!-- table for application of artificial intelegince -->

        <div id="Application">

            <table>

                <caption>Application of artificial intelligence</caption>

                <tr>

                    <th scope="col">tecnology</th>

                    <th scope="col">advantage</th>

                </tr>

                <tr>

                    <th scope="row">artificial intelligence Network</th>

                    <td>Parallelism in information processing;

                        Learning by example;

                        Nonlinearity – handling complex nonlinear functions;

                        Superiority over complex and perplexing differential equations;

                        Resilience to noise and incomplete data;

                        Versatility and flexibility with learning models.</td>

                </tr>

                <tr>

                    <th scope="row">Intelligent Agents </th>

                    <td>Mobility;

                        Helpfulness – they always attempt to accomplish their tasks having

                        contradictory objectives;

                        Rationality – in achieving their objectives;

                        Adaptability – to the environment and user preferences;

                        Collaboration – awareness that a human user can make mistake and provide

                        uncertain or omit important information; thus, they should not accept

                        instructions without considerations and checking the inconsistencies with the

                        user</td>

                </tr>

                <tr>

                    <th scope="row">Artificial Immune Systems </th>

                    <td>Dynamic structure;

                        Parallelism and distributed learning – using data network communications and

                        parallelism in detection and elimination tasks;

                        Self-adaptability and self-organizing – updating intrusion marks without

                        human involvement; </td>

                </tr>

            </table>

        </div>

    </main>

</body>

</html>