Intelligent Agents are basically computer programs that are capable of performing tasks with minimal human intervention. This collaborative discussion emphasizes on what an intelligent agent is, when its major uses started to happen, what possible sectors could they be used in, and so on. Please reply on this post, the multiple perspectives in which Intelligent agents can be looked at.

According to TechTarget (2019), intelligent agents are programs that are capable of making decisions, performing service based tasks, based on the given input by humans. TechTarget also said that these can also be used to gather information autonomously on a regular, or a scheduled basis when prompted by the user in real time.

It is a fact that these agents were present way back in the 1990s too but have started to emerge out in the current day and age. A few of the prime examples of intelligent agents, according to JavaTPoint (2021) are:

- IBMs Deep Blue, a program designed to play chess, that beat the 1997 world chess champion Gary Kasparov.

- Roomba, an intelligent vacuum cleaner, introduced in 2002.

- Companies like Netflix, Amazon, Facebook, etc. started using AI extensively around 2006.

Intelligent agents could be created and utilized in not only the IT, Healthcare, and all the other mainstream sectors of the world, but also in real estate. Builtin (2023) highlighted 19 companies that utilize AI in the field of real estate. They said that AI in real estate can be used in many forms like generating analytics that can help business owners make sustainable decisions and automating processes that can provide better customer experience. However, this comes with the drawback of makinf people lose their jobs. But then, it is usually the case in any given sector.

Another instance of AI in real estate is stated by Lisowski (2022), where he talks about how AI helped close a real estate deal valued at $26mn. He explains what all data was required in order to carry out the deal. Lisowski also discusses where can AI be extensively utilized in real estate for better functioning of businesses.

I believe that there is scope for AI in the real estate sector in the coming ages. I would also appreciate your comments on this post. Thank you. Looking forward to your replies.

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Response to Ma Chue’s Post:

Hi Ma,

Your post on the evolution of agent based systems is very intriguing. I would specifically like to add to your traffic management point after going through a few articles.

There is some certainty to the point that AI is going to further evolve and help make not only the road laws but also the vehicles on the road more compatible to today's day and age. Builtin (2023) has highlighted a few organizations that addressed the "elephant in the room" for the automobile industry, self-driving automobiles. This blog also shows the underlying competition that the companies are dealing with in order to bring sustainable and efficient AI to the table.

On the other hand, relying completely on AI for decision making, given it's current stature in the world might not seem viable, at least for the automobile industry. Siebert et al. (2022), in their paper, "Meaningful human control: actionable properties for AI system development" address the gap between the design of the system and the engineering that is involved in building the intelligent system.

I think it is safe to say that human intervention is necessary to some degree with the intelligent agent based systems at critical points like making decisions, creating viable road safety laws and ensuring the well being of the world. Simply put, we're just not there yet.

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