Artificial Intelligence, Machine Learning and Data Science as Iterations of Business Automation for Small Businesses

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Abstract

Artificial intelligence and machine learning, the two iterations of automation are based on the data, small or large. The larger the data, the more effective an AI or machine learning tool will be. The opposite holds the opposite iteration. With a larger pool of data, the large businesses and multinational corporations have effectively been building, developing and adopting refined AI and machine learning based decision systems.

The contention of this chapter is to explore if the small businesses with small data in hands are well-off to use and adopt AI and machine learning based tools for their day to day business operations.

Keywords: AI for small business, machine learning for small business, Data Science, Big Data

The modern age automation tools are being developed using artificial intelligence and machine learning. The basis of development of an AI or machine learning tool is entirely

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Conclusion

As the in-house development of AI based automation tools are over dependent on the availability of big data, small businesses may not have such large amounts of data to go for developing their own AI systems. Those small businesses who have established themselves in their niche market segments and have scaled to a step further can opt for procuring AI technologies from the AI vendors.

And those small businesses that are in their infancy stages may use AI powered platforms of large service providers helping them adopt and use AI automation for their small businesses. It is also concluded here that successful adoption of AI automation depends on how effectively small businesses identify and analyze the data available with them or within the implemented AI system. AI and machine learning has to go more miles to reach the small businesses directly and the AI technologies need to be affordable for the small businesses for their adoption.

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