# Machine Learning Basics For Absolute Beginners: Learn What ML Is And Why It Matters

Machine learning is a type of artificial intelligence (AI) that allows computers to learn without being explicitly programmed. Instead, machines are trained on data and then use that data to make predictions or decisions.

Machine learning is used in a wide variety of applications, including:

- **Image recognition:** Machines can be trained to identify objects in images, such as faces, cars, and animals.
- **Natural language processing:** Machines can be trained to understand and generate human language, such as in customer service chatbots and spam filters.
- **Predictive analytics:** Machines can be trained to predict future events, such as weather patterns and stock prices.

Machine learning is important because it allows computers to perform tasks that would otherwise be impossible or very difficult to program explicitly. For example, a machine learning algorithm can be trained to identify cancerous cells in medical images, which would be very difficult to do manually.

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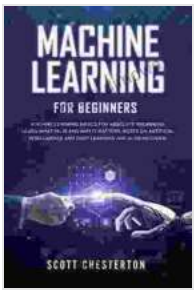


## Why It Matters.Notes on Artificial Intelligence and Deep Learning are also included. by Scott Chesterton

4.5 out of 5

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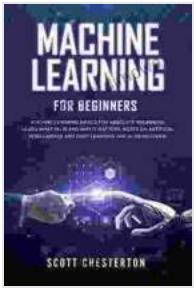
Machine learning is also important because it can help us to understand the world around us. By training machines on large datasets, we can uncover patterns and relationships that would be difficult or impossible to find on our own. This can lead to new insights into scientific, social, and economic problems.

If you're interested in getting started with machine learning, there are a few things you'll need to do:

1. **Learn the basics of machine learning.** There are a number of resources available online and in libraries that can teach you the basics of machine learning.
2. **Choose a machine learning library.** There are a number of different machine learning libraries available, such as TensorFlow, Keras, and PyTorch. Choose a library that is appropriate for your skill level and the tasks you want to perform.

3. **Start experimenting.** The best way to learn machine learning is to start experimenting with it. Find a dataset that you're interested in and try to build a model that can learn from it.

Machine learning is a rapidly growing field with the potential to revolutionize many industries. If you're interested in learning more about machine learning, there are a number of resources available online and in libraries. With a little effort, you can get started with machine learning and start building your own models.

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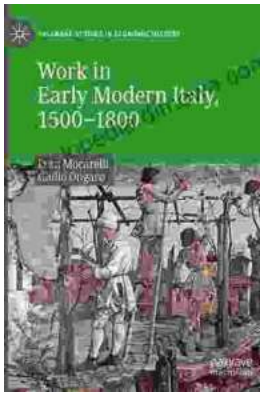


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