Today I’ve seen a meeting of 3 people involved in machine learning. One of these people uses machine learning algorithms in the biochemical sector. This algorithm helps the researchers to get the right stuff in the right quantities to save money and time.   
Another use is in music. They create new instruments or algorithms to classify what action is doing a dancer. An application of the last one algorithm is the possibility of play a sound when a dancer makes a certain move. You can also manage lights, special effects, everything. This is useful because you can manage a lot of data easily, instead of writing a whole program with all the IFs statement for each move. You just need to give examples, so the algorithm builds you a model.  
The last field is the body motion. An example of this field is reading the eyes’ movement. He said that when we read a book, our eyes follow a particular pattern, they’re not a straight line. They checked how we see, not what. To see the eyes’ movements they build a pair of glasses that capture the electrical signals.  
This is useful to understand what a person is doing: if the eyes are following the “reading pattern”, they are reading. If the eyes are closed, the person is sleeping or probably dead.

Machine Learning, as you can see, can find its seat in a lot of fields. I cannot even imagine all the different application.