[Machine Learning Crash Course - Google Developers](https://developers.google.com/machine-learning/crash-course)

Pourpose

1. **Reduce time programming**. A program for spelling corrector, can take months to create a good one. Or I can use some example and get a more reliable program in a more reliable amount of time
2. **Customize and scale products**. Making it better for specific people. If I use machine learning for the spelling corrector I just need to collect data and feed it to the exam same machine model
3. **Complete seemingly “unprogrammable” tasks**. Solve problem that you have no idea

ML changes the way you think about a problem. With ML the focus shifts from a mathematical to a natural science. Making observation about the natural word, running experiments and use statistics (not logic) to solve problems