Automatic and quick prediction of materials combination with good property

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New materials have been developed to improve the product characteristics, but it require considerable time because we need to design and optimize various conditions such as materials combination ratio, processing conditions and etc. In order to accelerate new materials development, mathematical optimization is recently getting much attention. In this course, we will use Bayesian optimization to predict the combination ratio of materials quickly. Finally, we will find the optimum conditions for some materials.