

Stage 1. Machine Learning - When and Why?

Supporting materials:

- **Machine Learning: The Basics. Chapter 1 (up to p.19).**
- **Lecture notes CS 329S Lecture 1, Sections “When to Use Machine Learning”, “Requirements for ML Systems” & “Stakeholders and their objectives”.**

In this task you need to choose real-life problem which would benefit from ML methods. Not all applications need or benefit from ML!

- Explain the background (real-life scenario) of your ML application (Ch.1 of Machine Learning: The Basics).
- Justify the need for ML approach for your problem (section “When to Use Machine Learning” of Lecture notes CS 329S).
- Describe requirement of your ML system. For example, what is most important for your application: very fast ML system with a small latency or maybe high precision? (section “Requirements for ML Systems” of Lecture notes CS 329S).
- Explain who are stakeholders* (company owners, investors, ML engineers, developers, users) of your project/company/application and what are their goals (section "Stakeholders and their objectives" of Lecture notes CS 329S).

*stakeholders - a party that has an interest in a company, and can either affect or be affected by the business.