# Simple ML Project Checklist

**1. Frame the problem!**
- ☐ What is the objective?
- ☐ How will your system be used?
- ☐ Determine type of problem – supervised, unsupervised, reinforcement learning.

**2. Analyze your resources!**
- ☐ Do you have the necessary skills?
- ☐ Do you have the necessary team?
- ☐ What data do you need?
- ☐ What data do you have?

**3. Explore your data!**
- ☐ Correlations.
- ☐ Distributions.
- ☐ Missing values.
- ☐ Outliers.

**4. Prepare your data!**
- ☐ Tidying.
- ☐ Cleaning.
- ☐ Normalization (standardization).
- ☐ Feature engineering.
- ☐ Feature selection.

**5. Decide on what algorithm to employ!**
- ☐ What is the task?
- ☐ What is the desired output?
- ☐ What is available input?
- ☐ Accuracy or interpretability?
- ☐ Faster with less accuracy?
- ☐ Are data linear?

**6. Model the data!**
- ☐ Research your algorithm.
- ☐ Choose best parameters.
- ☐ Train the model.
- ☐ Fine-tune your model.

**7. Evaluate model!**
- ☐ Choose suitable metrics.
- ☐ Evaluate your model.
- ☐ Present your solution.

*Checklist is based on the book Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow, 2nd Edition.*