

# Problems and Solutions Across Disciplines

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## 1 Question for the Practice Section

What are the most important solvable but unsolved problems in your discipline or sub-field that have so far not been solved?

What are the most important problems you would like to solve in your own work?

What are the unsolvable problems in your discipline?

Which scientific subfields could help you in addressing the problems in your discipline?

Which problems in your discipline have been solved in the last ten years?

## 2 Tasks for the Practice Section

Take your favorite three problems and try to design a workflow to solve them.

- Identify data and representations.
- Look into the models.
- Identify the kind of the problem (modeling, inference, analysis).
- Try to find scientific disciplines that might help you with your problems.
- Try to find people in the seminar who might help you with your problem.