Working as an Optimiser

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First Talk

Is this an optimisation problem?

Value of the Project

What is the base line?

In the best case how much can we improve the base value?

Access To Data

Can we get all the necessary data?

What is the necessary data?

Correctness of the Solution

How can we validate that we are solving the clients problem?

Metrics

How can we help the client to validate our solutions?

How can we automatically check solutions for issues?

No data without issues.

What issues does the data has?

Summary

- First Talk
  - What is the high level problem description?
  - How can we establish the value of the project. (only relevant for internal consultants)
  - How will we validate the solutions?
  - What data will we need?
  - How will we get the data?

Summary

- Iteration
  - Implement problem
  - Provide solution
  - Get feedback > Issue
  - If Data Issues > create new Data Issue Checker
  - If Problem formulation issue > fix the problem code
  - Add new solution checker for the issue

What comes last?

- Optimise your implementation for speed (if needed).

What to take away.

- Check that the project is valuable.
- Ensure that the approach is robust.
- Ensure a strategy to validate your solutions.
- Almost no project starts with the correct problem description.
- No data without issues.