

Welcome to week two!

Based on our research question, which is :

How to reduce the size of a given BCR clonal tree, maintaining the highly abundant nodes and the maximum diversity?

You carried out a literature review.

The next step is:

What do you suggest as the strategy to answer this question?

To do so, this week, we will focus on :

I. Implement the code (or adapt what already exists)

Do you have a clear idea about the algorithm and the implementation? We can talk about it Tuesday afternoon with Juliana during our brainstorming/decision-making meeting

II. Evaluate the result

What is the metric that evaluates the closeness of the pruned tree and the original one?

Analyze the trimming performance by running the program on multiple examples

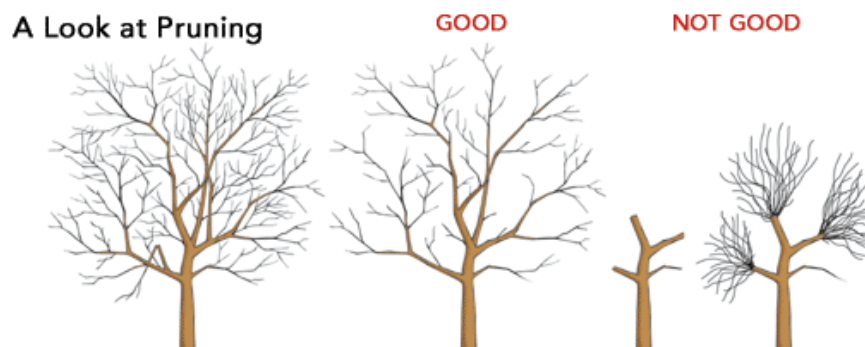


Image from : <https://medium.com/@sanchitamangale12/decision-tree-pruning-cost-complexity-method-194666a5dd2f>

III. Integrate it into the pipeline

The final program should be robust and fast to be used in VicoD.

Good luck, Thibaud :)