

Sort the Ideal Order of Operations

To Make Accurate SoWs, Build Complete Project Maps

In this lesson, we will learn to map our projects using:

- **Order of operations**

Based on our prior work on

- [Dependency Trees](#) help us discover what needs to happen

Later lessons will help us turn the dependency tree into

- **Constraint and critical path analysis** help us find a path
- [Gantt charts](#) help us land our plan in time
 - So we can trot (not sprint) AND still deliver on time

Use Dependency Trees to Optimize Order of Tasks

Questions to support optimal order of tasks

- What is the biggest, most risky task in the tree?
 - What must be done before starting to remove the risk and time from that task?
 - What is required to start on those tasks?
- How long will each task take (effort across how many days, not just hours)
 - E.g. sourdough bread takes 30 minutes of effort, but a few hours to mix, rise, rise again, and bake
- Which is the longest task of all and how soon can you get started on it?
- What must be done sequentially?
- What can be done in parallel?

List Tasks in the Order You Can First Start Them

- Start with the shortest duration task that starting other tasks is dependent upon
- Add the longest tasks that starting other tasks is dependent upon
- Add task that can be started in parallel with those tasks
- Add in tasks that can be started after prior tasks are complete,
 - Start ASAP after earlier precursors are completed
- Add tasks to wrap up the project that can be run in parallel with the last tasks
- Note who will be doing each task so we can look at capacity across time later

Castagnettes

The image shows a handwritten musical score for Castagnettes, organized into four rows. Each row contains a diagram on the left and musical notation on the right. The notation includes notes, stems, and various markings such as accents, slurs, and circled notes. The diagrams illustrate the physical movements of the castagnettes, often using stick figures to show hand positions and directions. The first row is labeled '1' and features a treble clef with a sharp sign. The second row is labeled '2', the third '3', and the fourth '4'. The text 'Révérence à droite' is written at the bottom right of the page.

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