

Learn by doing

- Most books: The center is the topics and the book go from one topic to the next after finish the topic completely. Frequently the hands-on is delayed.
- My teaching: interleave topics around the hands-on learning process so that you can program quickly. The organization of notes centers on the learning process and not necessarily on the concepts.
 - First I think about what you can understand concretely with hands-on.
 - Next I think about the relevant topics.
 - Finally for each topic I pick out only the minimal amount of information so that you can achieve the computation.
 - So a topic might actually be taught several times throughout this course.
- Concepts are important and not left out

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- This means that some concepts are explained several time in layers might not be fully explained till later so that you can get into hands-on work ASAP.
- Another benefit is that you see the concepts in context.
- (FYI: This actually makes the notes much harder to write.)