Ideas for next year

Make the first half of the course like this year in terms of content. But this time, many YouTube videos and guides can be watched asynchronously. We won’t have a specified schedule. We can have a recommended schedule instead, and recommended study paths.

* 5 minutes introduction video explaining how this part of the course works.
  1. An applied introduction to Excel, with emphasis on formulas.
  2. Using LAMBDA and LET to do programming in Excel.
  3. Expect to spend much more time working with problems than watching videos!
* Make a dependence structure for the videos in terms of concepts.
* Some videos are about functions. Some are about specific applications.
* Concepts have associated exercises in their own sheets.
* Bundles of concepts have their own exercises too.
* Expand example data sets to include perhaps two more.
* Include spaced repetition questions?
* Make it clear what the scope of this part of the course is:
  + Programming and data analysis in Excel *without* pivot tables.
  + Many exercises. The more you do the better it is.
  + Start watching movies as quickly as possible! The most interesting and difficult exercises appear downstream.
  + Skill goals:
    - Being able to complete mundane data analysis tasks very quickly.
    - Defining your own functions.
    - Being able to do non-trivial data analysis tasks.

## Concept map

We build our work on the concept map. This shouldn’t be strict, in that it’s impossible to work across them, but our examples well for the way described. Have examples about what you can use the different concepts for.

## Introduction video

How should you work with this course?

First, watch a concept video. Then do the associated exercises. These exercises are designed to be easy.

After you have watched all the videos in a collection, you are ready to embark on the difficult exercises.