Research Methodology - Course Iterations

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# 2022 – 2023 Academic Year Iterations

* Problem: Students found the material and especially all the different terms too difficult
  + Solutions:
    - 1) Switch to communal learning approach:
      * Interactive sessions every Datalab (morning) where students each contribute to a common summary of the Research Methodology course material (book). Students summarize a couple of paragraphs and the summary is written in class by each student for themselves; forcing each student to write down every definition.
      * Content lecturer summarizes the book and has all the answers: a summary file of the book to check and fill in potential gaps.
      * Added advantages is that it:
        + You know who is on track
        + Feeds into the definition of done for group work
        + Everyone is aligned within student team
        + Teachers also learn
    - 2) Students still do the current course but are provided with a summary of the lecturer on the side to look up any terms
      * Less time consuming but educationally less effective
* Problem: Students doing the material in time and maintaining a healthy work schedule
  + Solutions:
    - Maintain a mini-deadline system for each Datalab where they work on the creative brief components in a step-by-step manner
      * Add group feedback sessions to give feedback on respective components
    - Already build in how to slow-down or speed up depending on student speed?
* Problem: Distribution the survey
  + Add some lecture material on it, and plan group-session on that for each mentor-group.
    - Prepare a doc with different methods for the mentors to use.; alternative: content responsible lecture has a class-wide session.
* Check the Research Data Management Plan access for the students, wasn’t working last time:
  + <https://adsai.buas.nl/Study%20Content/Research%20Methodology/Overview.html>
* Create script for mentors for each Datalab
* Codebook Inspiration:
  + <https://storage.googleapis.com/openimages/web/factsfigures_v7.html#data-organization>
  + <https://spacetx-starfish.readthedocs.io/en/mcai-api-additions/help_and_reference/spacetx-format/input_formats/SpaceTxFormat/index.html#sptx-codebook-format>
  + <https://www.sciencedirect.com/science/article/pii/S1018364713000761>
  + <https://link.springer.com/chapter/10.1007/978-3-540-88690-7_52>
  + Good tip for Alican to incorporate for next block:
    - <https://arxiv.org/pdf/1803.09010.pdf>
    - <https://arxiv.org/pdf/1810.03993.pdf>