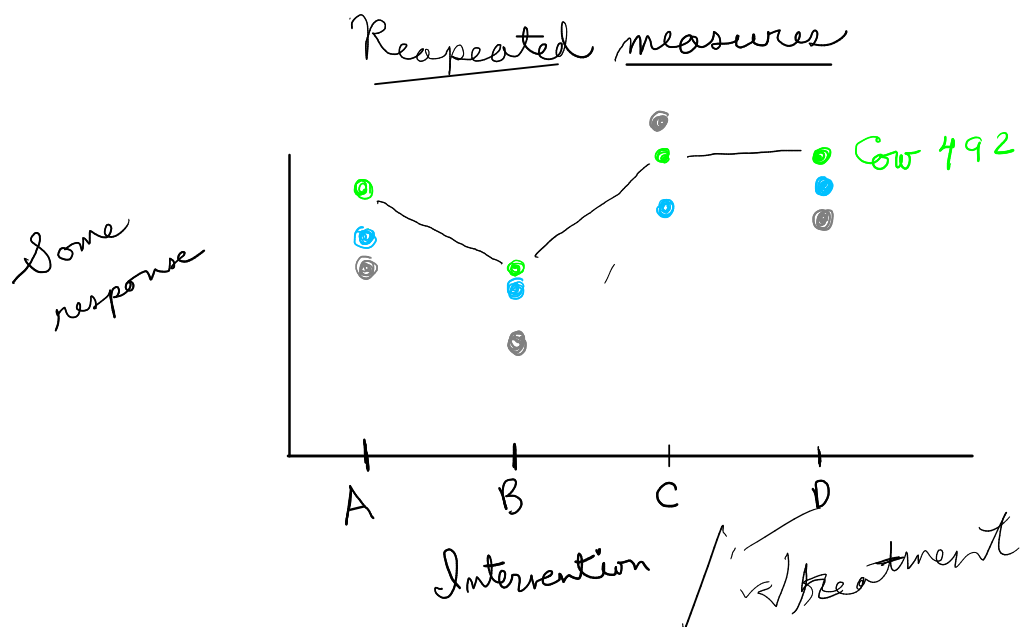
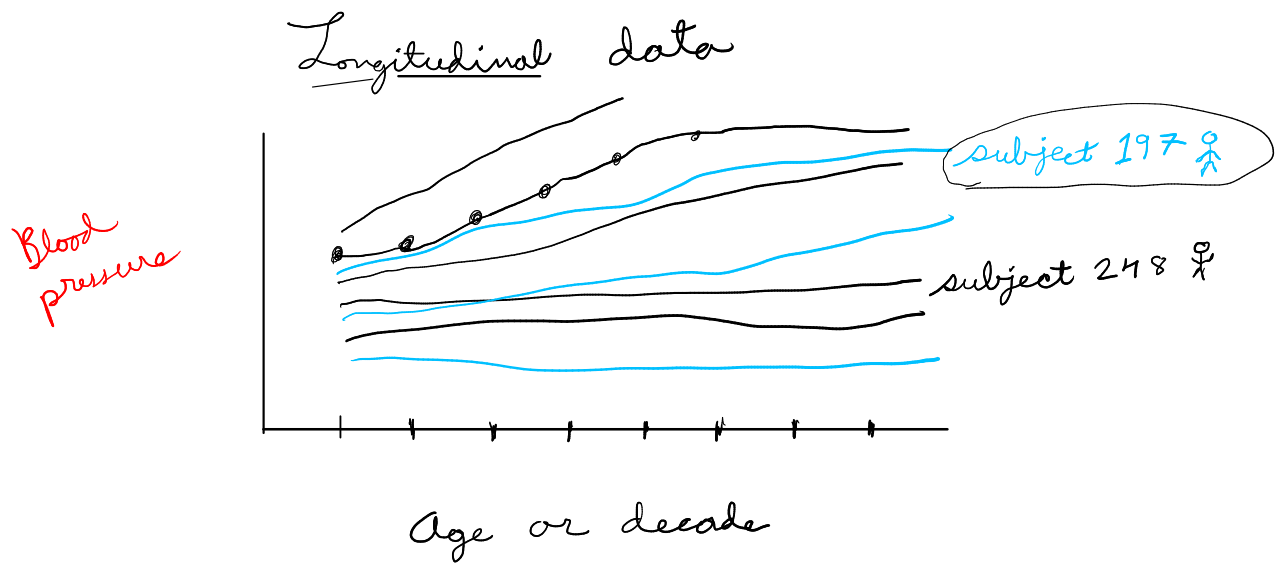
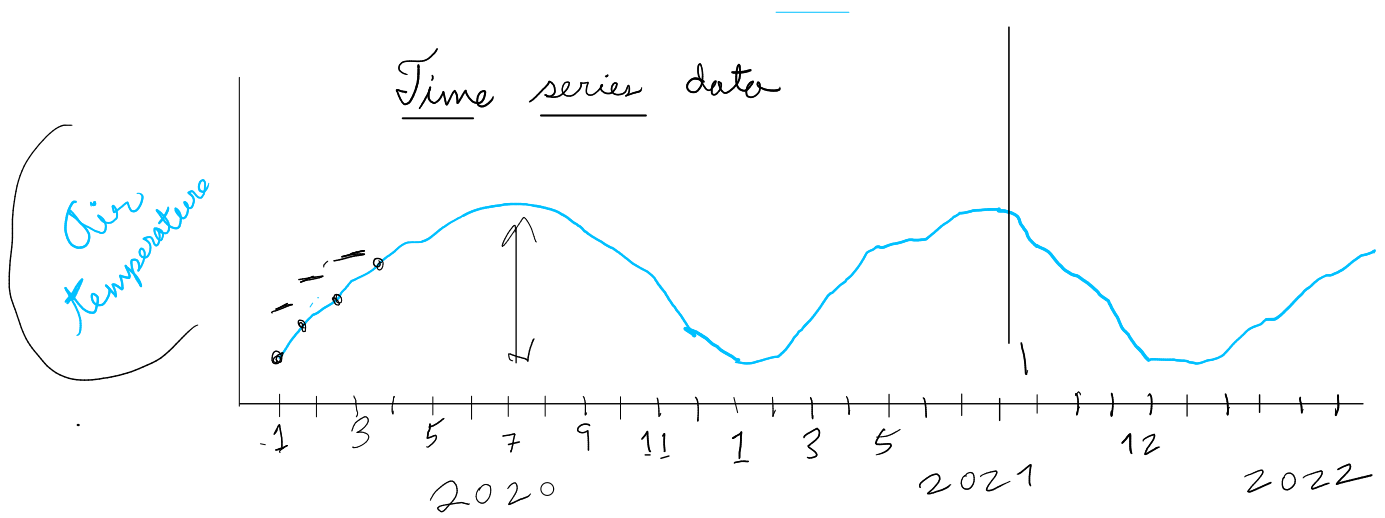


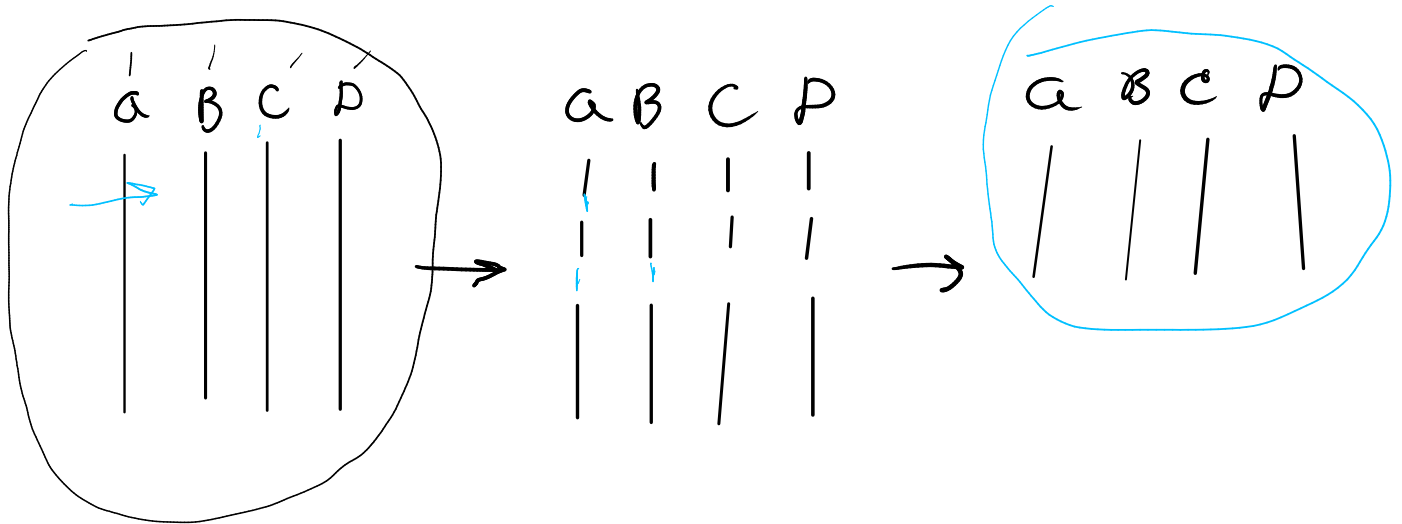
Online Analytical Chemistry: Instrumentation, Application, and Data Analysis

1. Data manipulation

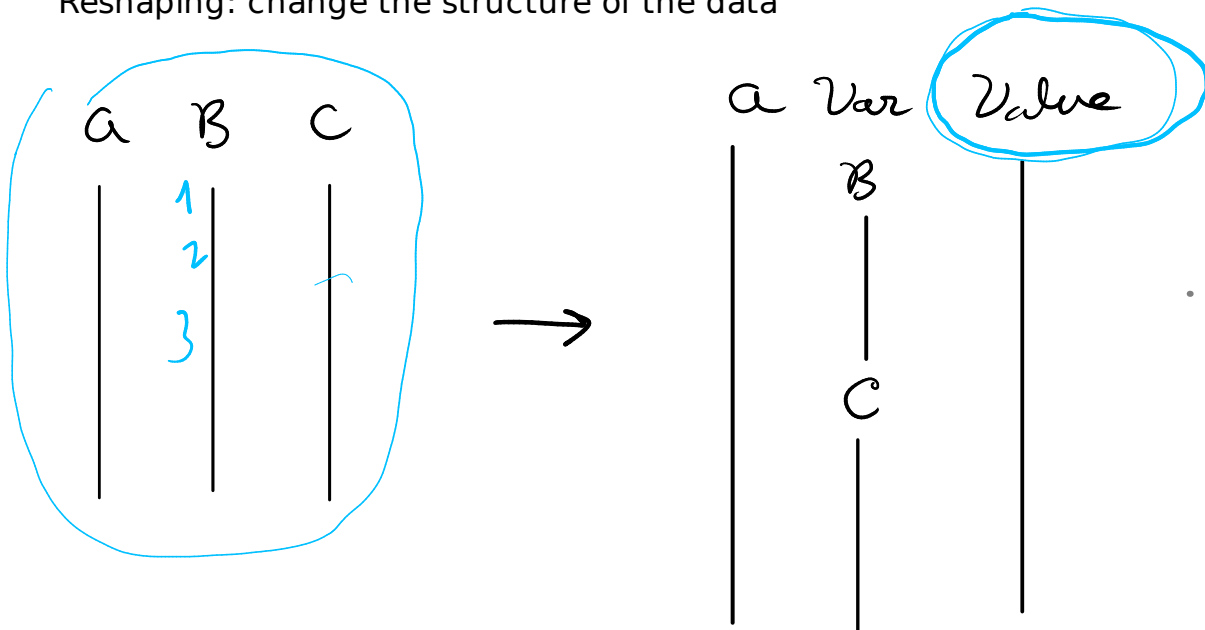
Sasha D. Hafner



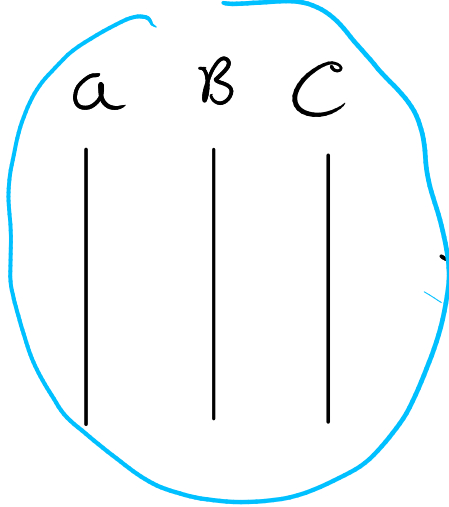
Subsetting or extracting: take part of a data object



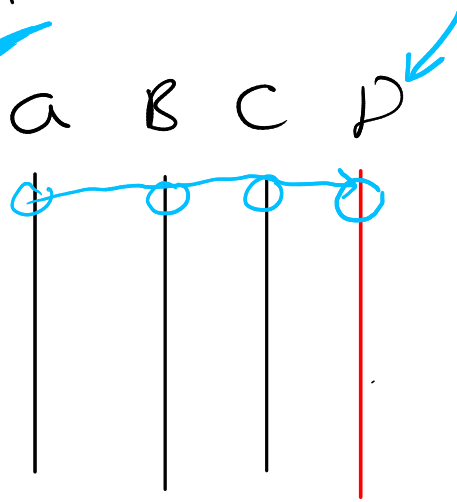
Reshaping: change the structure of the data



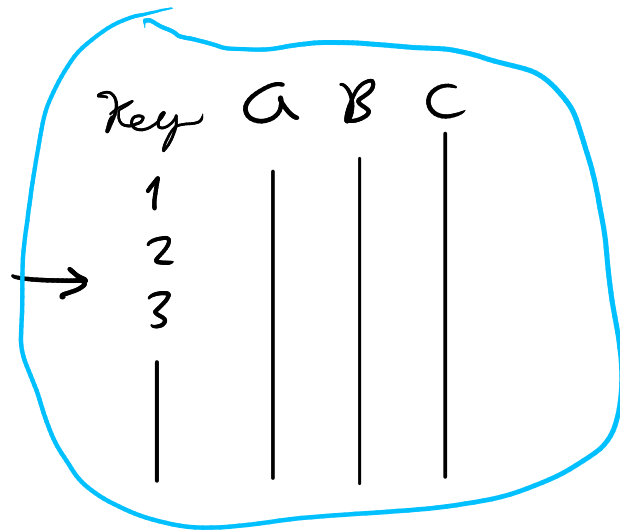
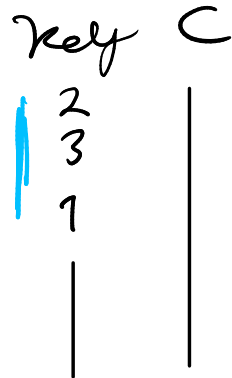
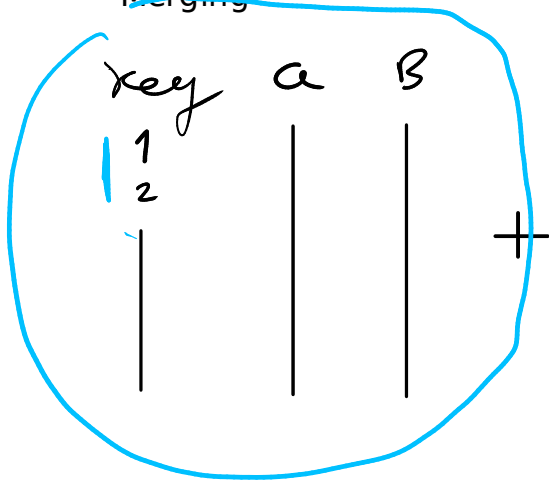
Adding variables



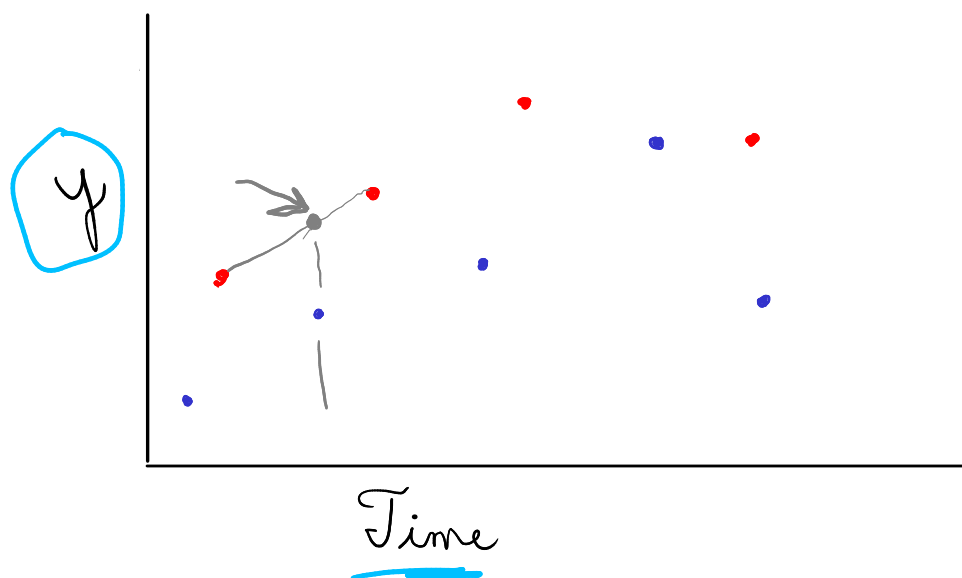
$$f = \underline{a} + B$$



Merging



Interpolation



Integration

