Estimating Balanced Detailed SUT Using Benchmark SUT

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Given an aggregate set of balanced supply and use tables (SUT) and a set of more detailed SUT, e.g. for a different time period where more detailed data is available, that could be used to breakdown the aggregated SUT into more detailed ones, the outcome would be unbalanced detailed SUT. This paper proposes a balancing procedure to breakdown balanced aggregated SUT into balanced detailed ones, which was specifically developed to convert US SUT in NAICS to (CPA/NACE), making them comparable with EU tables. However, the method can be applied to any case where aggregated tables are to be broken-down to more detailed ones using as a reference detailed tables from a different time period or different economic area. The procedure follows a GRAS-type of approach, having an inner loop, which makes at each that at every k steps the estimated detailed SUT, and an outer loop, making the procedure flexible regarding SUT margins constraints, i.e. total supply / total use and output derived from supply table / output derived from use table. The results of this method applied to the US SUT tables will be presented.