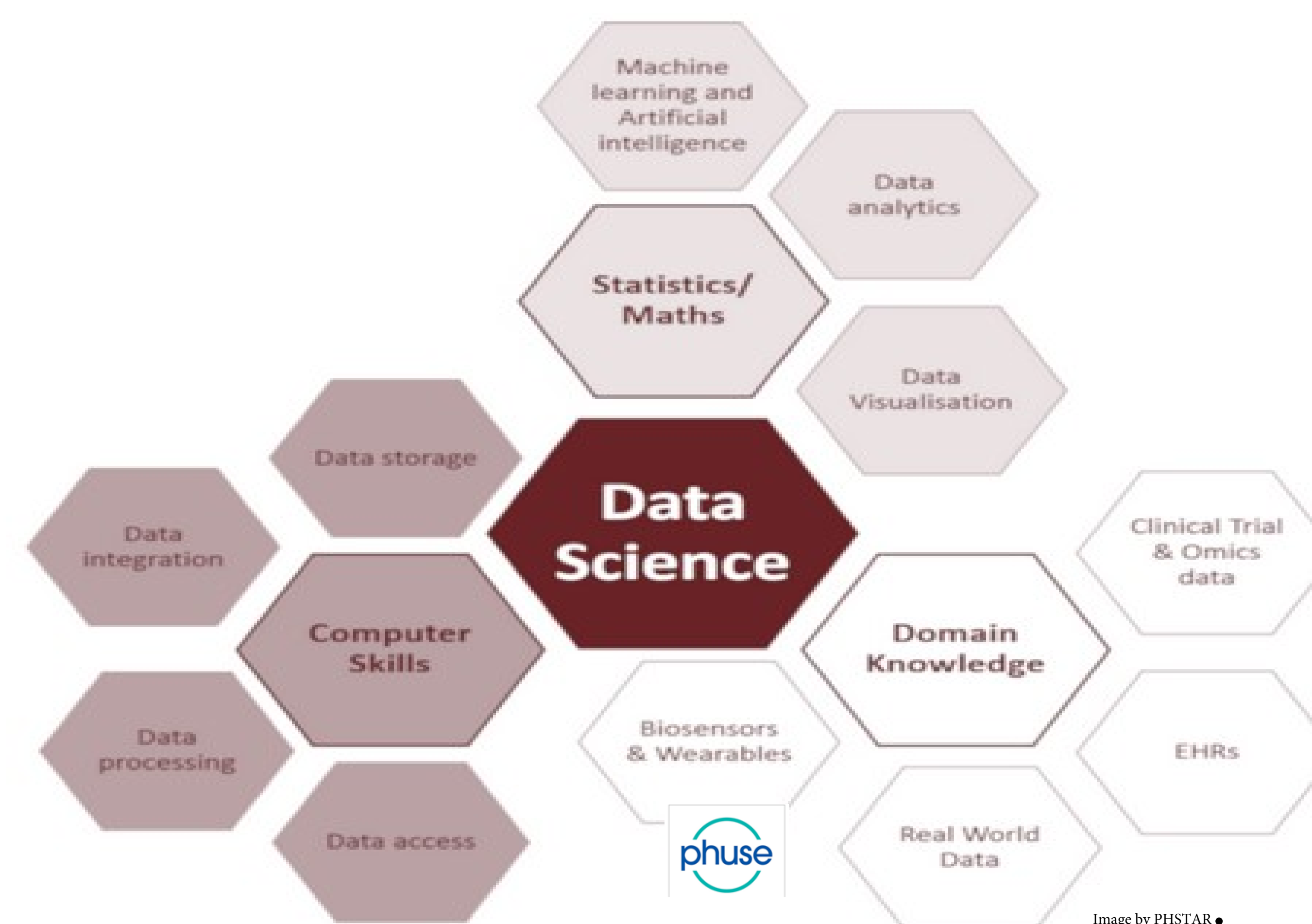
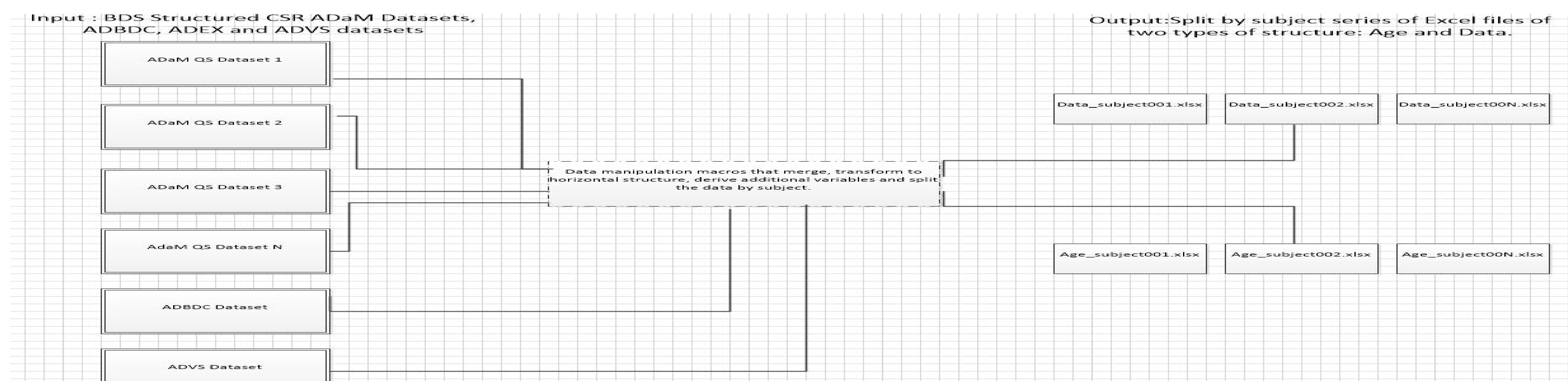


PP01 Data Wrangling – Combining and Restructuring QS related ADaM Datasets for the purpose of pathways predictive modeling.



The implementation of Data Science analytical capabilities in the realm of clinical trials of the pharmaceutical research industry is paramount to attain innovation and sharpen technological edge. Data Science is an emerging discipline in which quantitative and analytical approaches, processes, and tools are developed and integrated to extract knowledge and insights from increasingly large and complex sets of clinical data. This includes utilizing complex techniques like predictive modeling (machine Learning, Deep Learning) and Artificial Intelligence. Often, statistical programmers who work on analyzing clinical trials may be asked to collaborate with their data scientists' peers to provide a tailored clinical data structure that would fit the requirement to be used as an input for the analytical tools. This abstract talks about a use case in the-neuroscience therapeutic area where integrated data from the ADaM QS related domains was created predicting a relapse in Major Depressive disorder (MDD) subjects on an investigational drug.



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