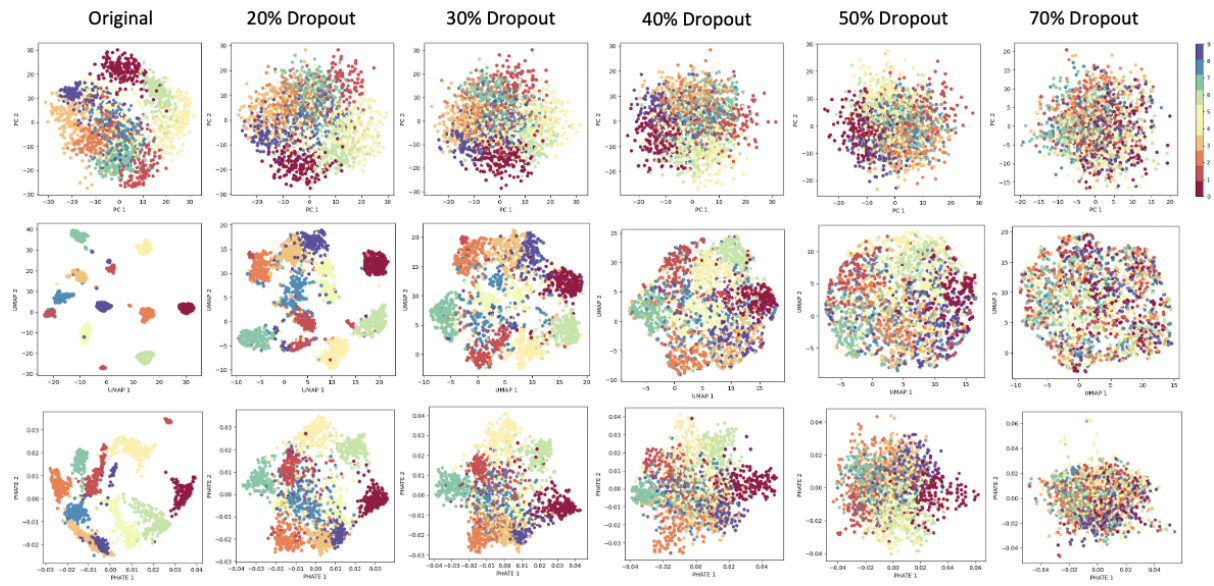


## Section 2. Corrupted image digits data visualized using PCA, UMAP and PHATE through different rates of induced dropout-events.



Corrupted image digits data visualized using PCA, UMAP and PHATE through different rates of induced dropout-events. The UMAP and PHATE had an initialization of 50 PCs. The intention of this section is to depict how different rates of induced zeros values can affect the nearness of distinct clusters and the structure of the data. We observed that as the rate of induced zeros increases (percentage of dropout) local structure is losing and clusters are getting closer.