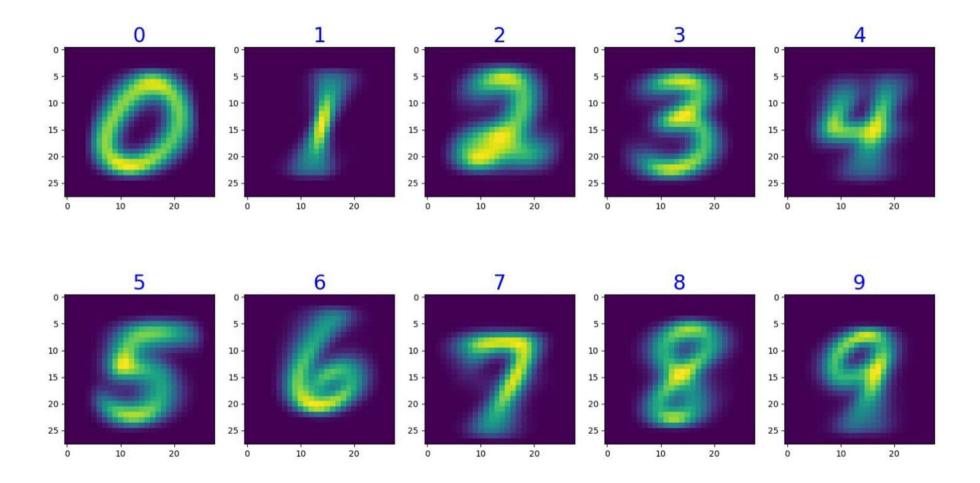
e containing and principal modes raviation Exceeds max. apload limit on moodle, so. po we can't submit it but rolder results/aydas running a4.py.



for each eigenvector mudigit, we can infer that significant modes of variation are much less than 282 (50 largest value seems to be enough) for each digit. As we can see for each digit, there sample images will always be a lot similar, therefore amost of the agent modes of variations are associated with distarbances or noise. Mence it just pies our observations. (c) for each digit, the principal mode of raviation around the mean show something like two extreme cases of drawing a digit that most the people draw like por &'2' some people draw it like '2' pointed pottom) while some '2' (Knot at the bottom), most of those Images are either between two or a Cittle off from borne of them & same goes for I' tiltoo or straight. In most digits tilt is one variation me can observe and slight other variation two. This is because these are the major variation occurring in writing these digits therefor sample dotal has most spread along the VI that's why we got those extremes.

