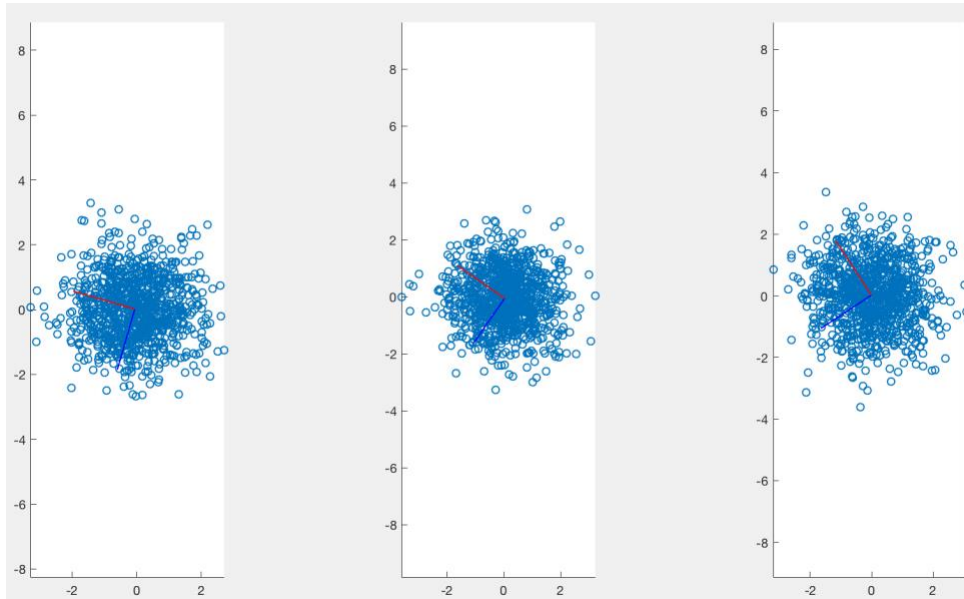
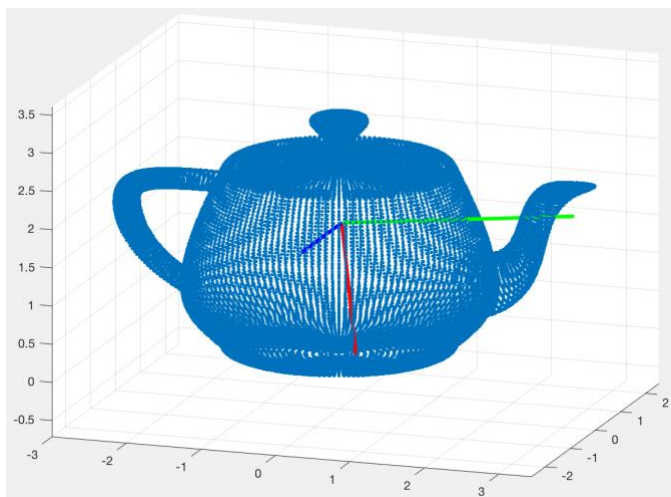
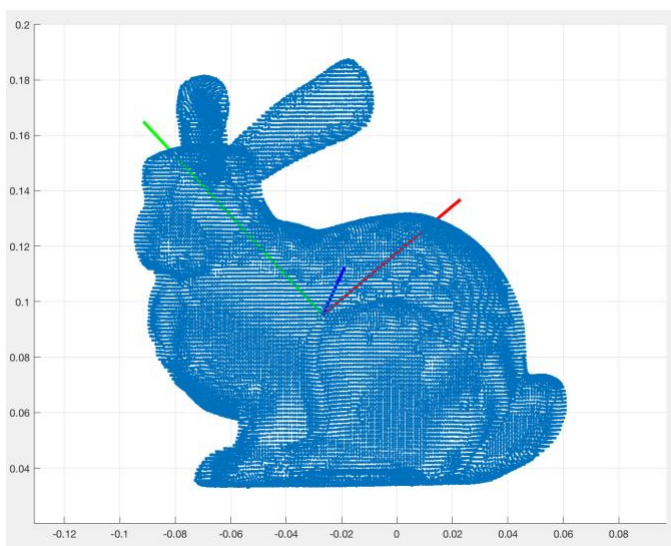
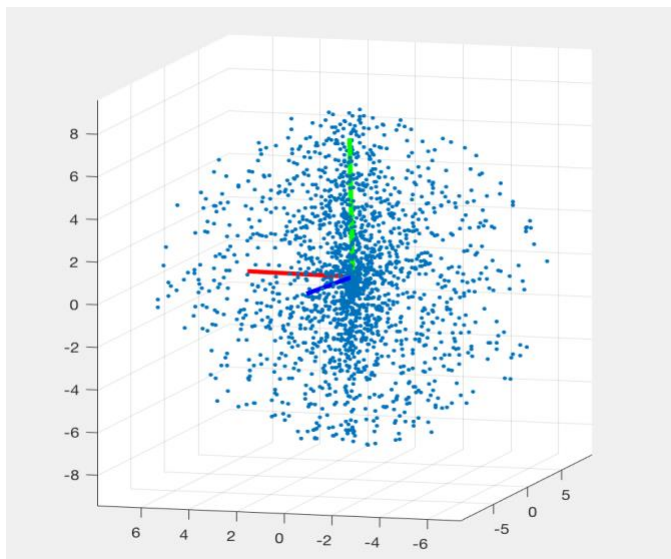


Part 1 (2D data):



File name	eigenvalue 1, normalized eigenvector 1	eigenvalue 2, normalized eigenvector 2
eclipse1.mat	0.9508, $\begin{bmatrix} -0.2771 \\ -0.9609 \end{bmatrix}$	0.9796, $\begin{bmatrix} -0.9609 \\ 0.2771 \end{bmatrix}$
eclipse2.mat	0.9254, $\begin{bmatrix} -0.5704 \\ -0.8214 \end{bmatrix}$	1.0098, $\begin{bmatrix} -0.8214 \\ 0.5704 \end{bmatrix}$
eclipse3.mat	0.9680, $\begin{bmatrix} -0.8358 \\ -0.5491 \end{bmatrix}$	1.1198, $\begin{bmatrix} -0.5491 \\ 0.8358 \end{bmatrix}$

Part 2 (3D data):



File name	eigenvalue 1, normalized eigenvector 1	eigenvalue 2, normalized eigenvector 2	eigenvalue 3, normalized eigenvector 3
3d_sphere.mat	5.2284, $\begin{bmatrix} -0.9897 \\ 0.1412 \\ -0.0221 \end{bmatrix}$	5.3895, $\begin{bmatrix} 0.1414 \\ 0.9899 \\ -0.0113 \end{bmatrix}$	10.6247, $\begin{bmatrix} -0.0203 \\ 0.0144 \\ -0.9997 \end{bmatrix}$
bun_zipper.mat	0.0007, $\begin{bmatrix} 0.1478 \\ 0.3232 \\ 0.9347 \end{bmatrix}$	0.0012, $\begin{bmatrix} 0.7247 \\ 0.6078 \\ -0.3247 \end{bmatrix}$	0.0023, $\begin{bmatrix} -0.6730 \\ 0.7254 \\ -0.1444 \end{bmatrix}$
teapot.mat	0.6773, $\begin{bmatrix} -0.0000 \\ -1.0000 \\ 0.0000 \end{bmatrix}$	0.9946, $\begin{bmatrix} 0.1080 \\ -0.0000 \\ -0.9942 \end{bmatrix}$	2.4543, $\begin{bmatrix} 0.9942 \\ -0.0000 \\ 0.1080 \end{bmatrix}$