

Folder	Main task	Input & output
Data Discovery	It shows how many percent of body points are missing and based on decision of users, could keep/remove the body points	In: Raw 3D data Out: Figure
Eigen Pose Converge	It shows the minimum number of poses which users need for statical shape model.	In: Raw 3D data, Threshold of eigen pose, Threshold of outliers Out: Figure
3D-UPPER Full	1-Estimation of unsupervised Statical Shape Model (SSM) 2-Reconstruction of Data	In: Raw 3D data, threshold of eigen pose Out: Estimate mean RANSAC, Mean pPCA, Covariance matrix, Eigen vectors, Eigen values In: Raw 3D data, Output of SSM Out: 3D reconstructed data