\*Use autoencoders to label data

\*Use PCA to reduce dimension

\*Hard or Soft differs from Intentional and Unintentional in human

1- Check commanded data to see if controller commands the jogs in robot path or they just occur

And if they were commanded, make them noisy and test AE then publish paper! How to model a tracking error for a good controller like GMM?

If not? Collect a data that u know robot is following the path properly

**Idea**: use clustering or PCA or CNN to check whether intentional and incidental are different or not?

Idea: We have to put much effort on reaction strategy if intentional and unintentional were mostly the same