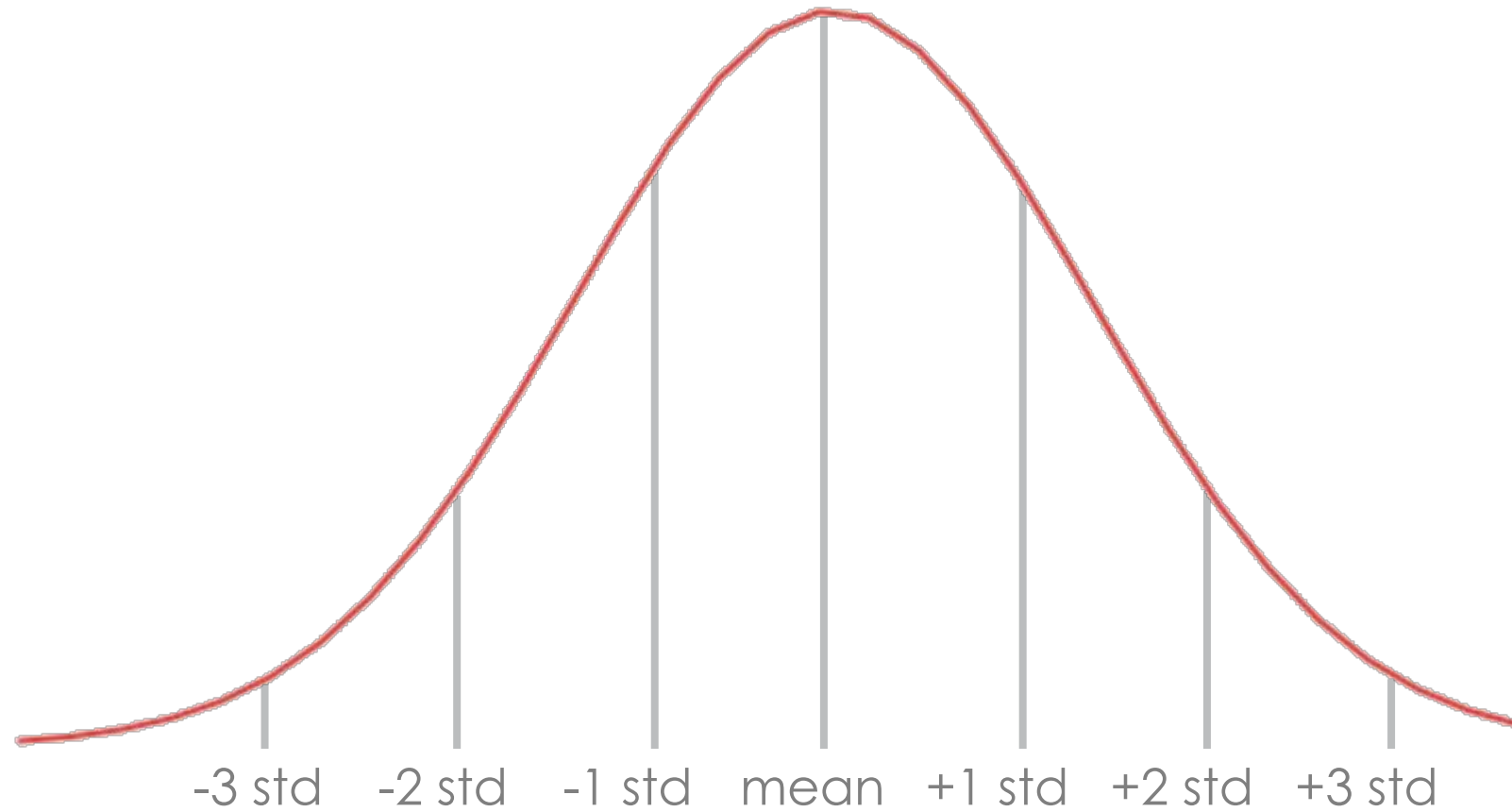




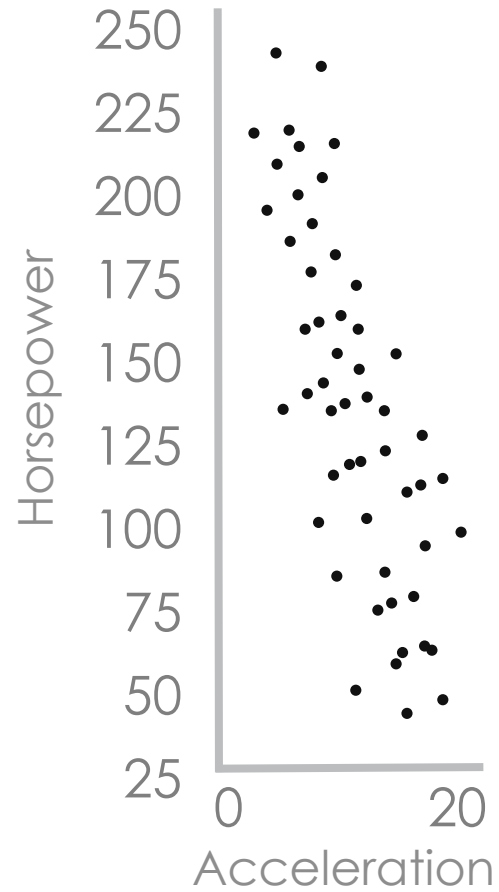
# Normalizing

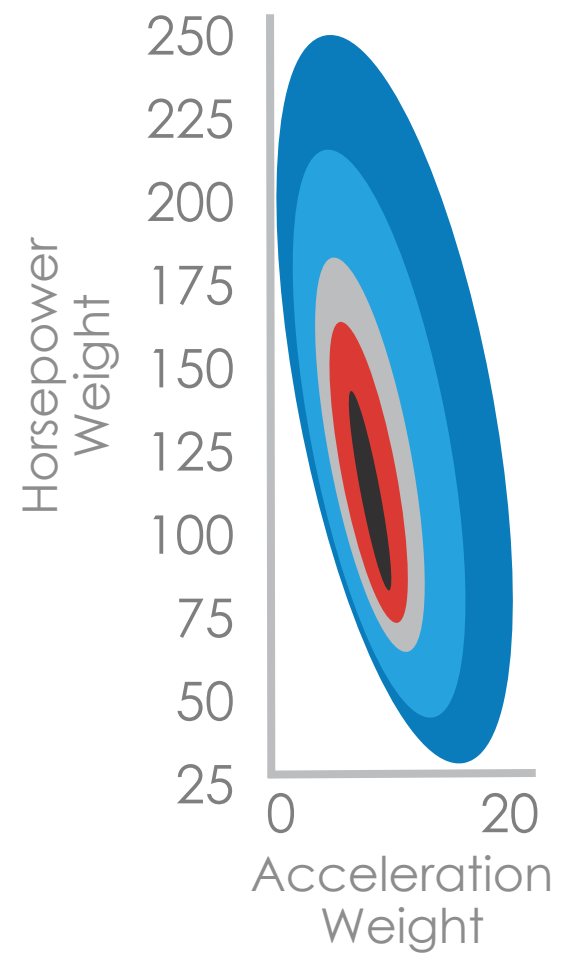
Deep Learning Pre-Work

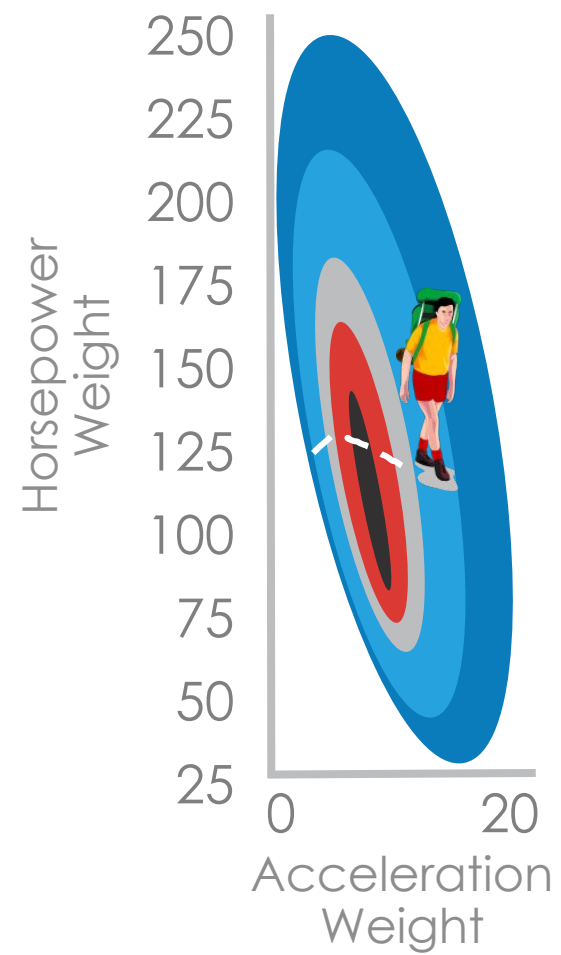
# Normal Distribution



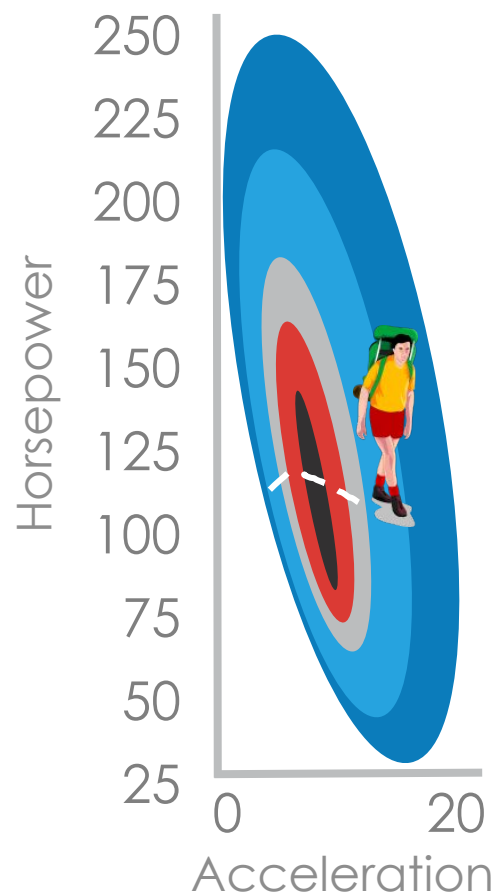
# Un-normalized features



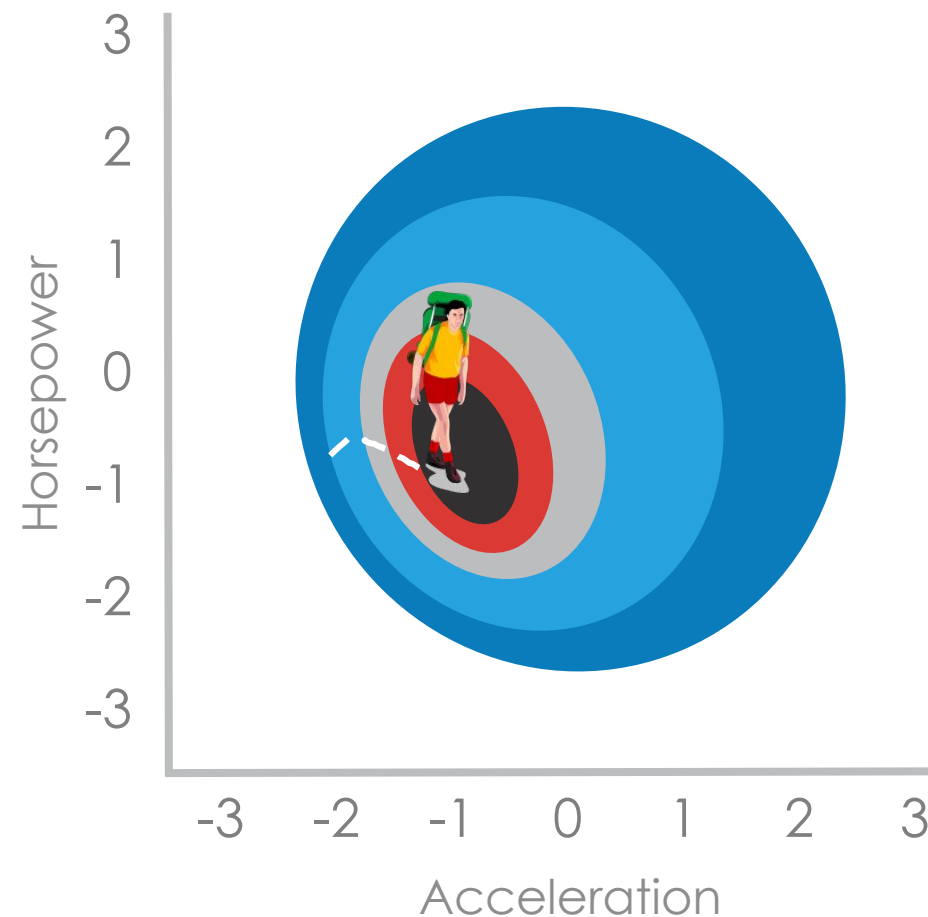




## Before normalizing

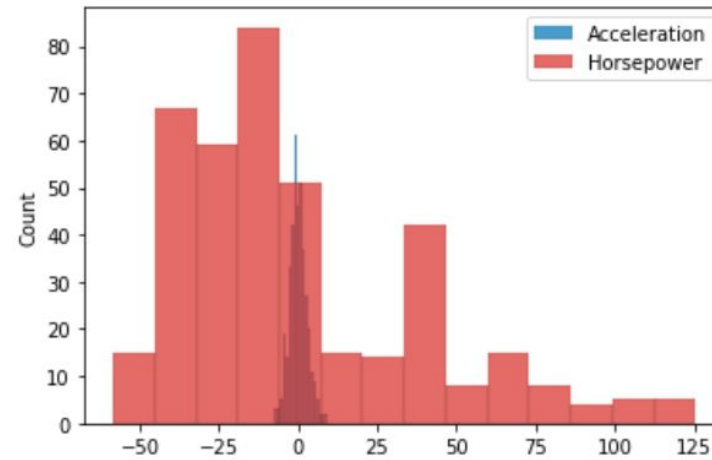
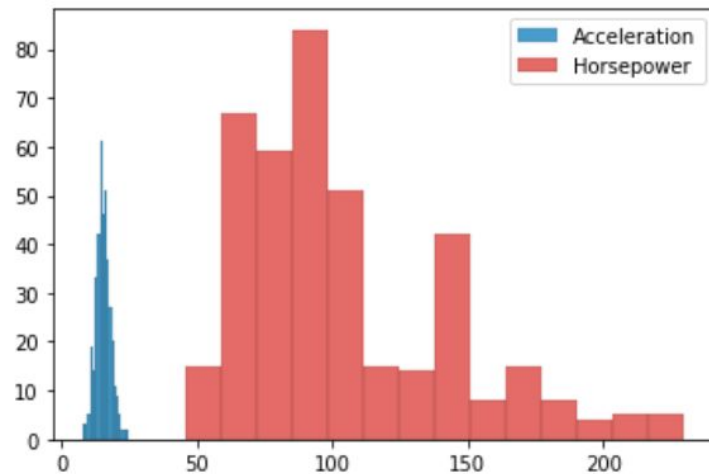


## After normalizing

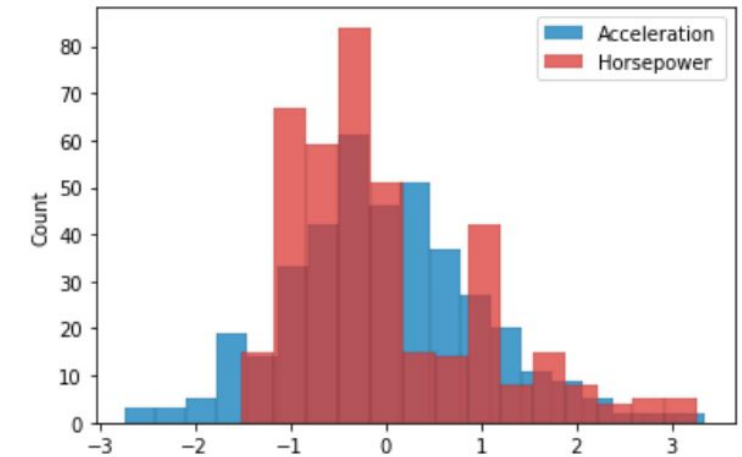


# Normalizing

## Step #1: Subtract mean



## Step #2: Divide by std



# Normalizing

**I'm normal!**

Step #1.  
Subtract mean

Step #2:  
Divide by std

