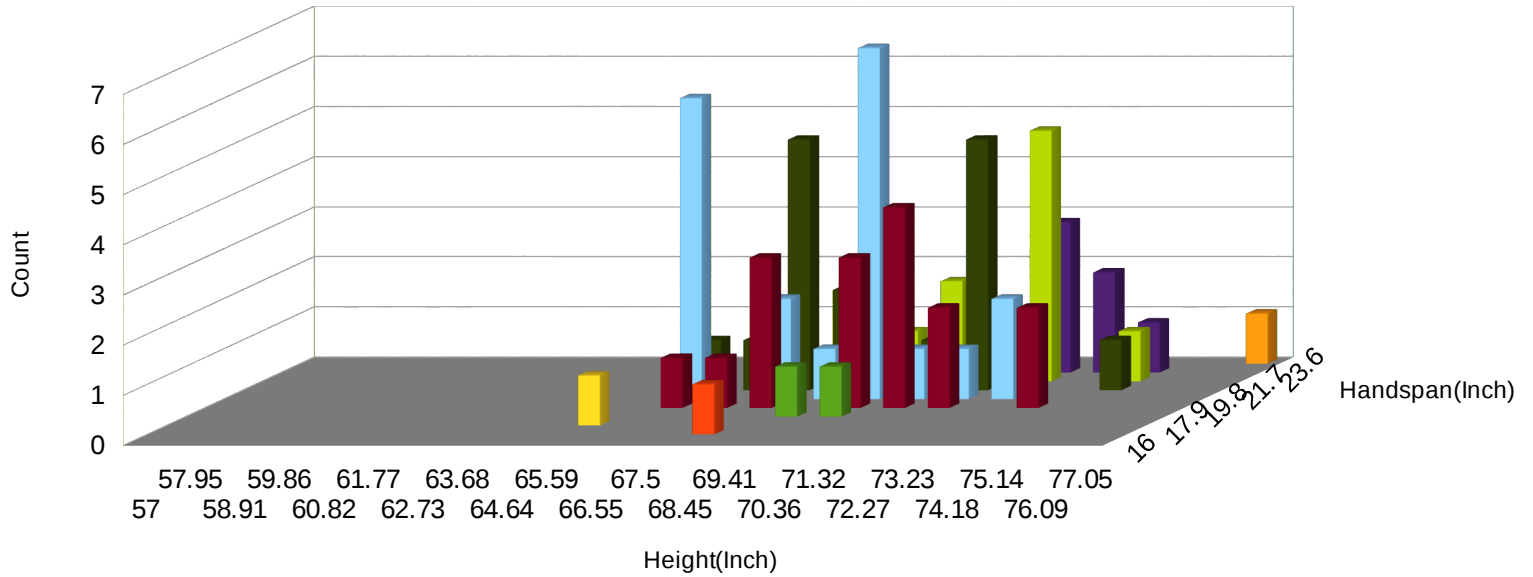


Assignment - 2

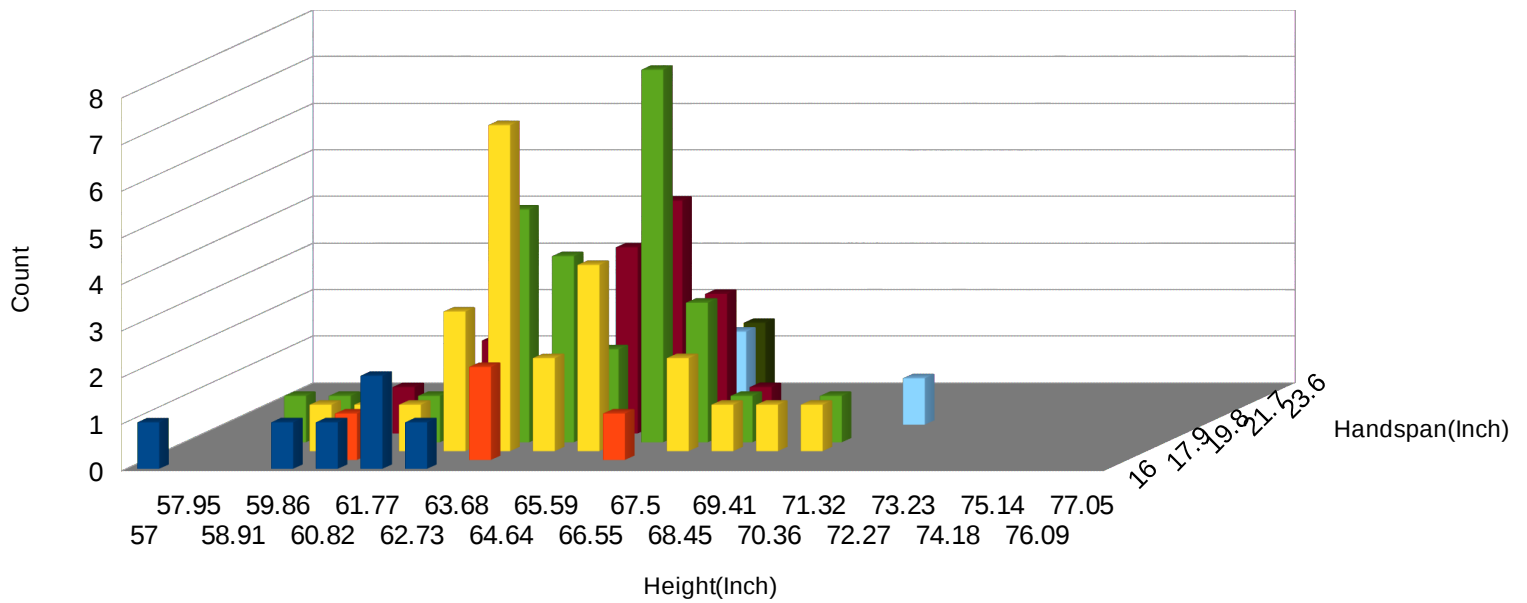
Senthilkumar Karunakaran

1. Histograms

Male-Histogram



Female-Histogram



2. Probabilities

Height, Handspan	Histogram		Bayesian	
	Prediction	Probabilities (Male / Female)	Prediction	Probabilities (Male / Female)
69, 17.5	Male	1.0 / 0.0	Female	0.114140 / 0.885860
66, 22	Indeterminate	0.0 / 0.0	Female	0.374789 / 0.625211
70, 21.5	Male	1.0 / 0.0	Male	0.821329 / 0.178671
69, 23.5	Indeterminate	0.0 / 0.0	Male	0.950178 / 0.049822

3. Observation

Since there were lot of bins with 0 data, 2D histogram could not predict the result accurately. Bayesian classifier is able to predict the result deterministically.