Height

Min:57, Max:78

Handspan

Min:16, Max:25

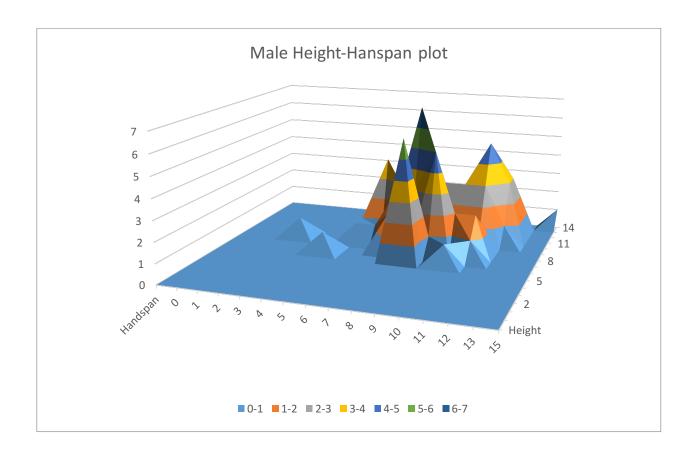
HISTOGRAM input

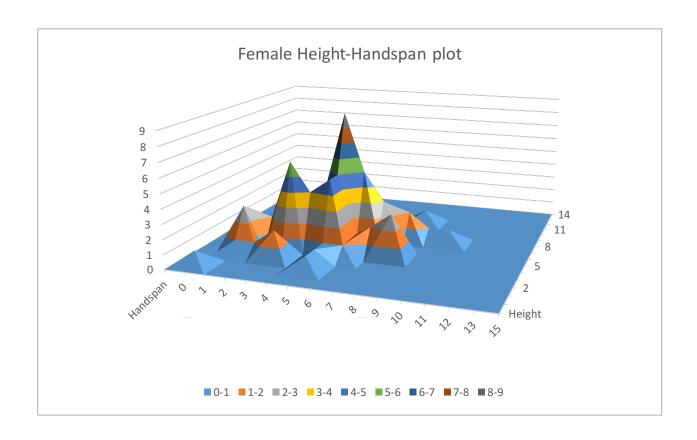
[0. 3. 0. 1. 0. 1. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0.] [1. 0. 2. 6. 4. 5. 1. 2. 3. 0. 0. 0. 0. 0. 0.]

```
MALE HISTOGRAM
[0. 0. 0. 0. 1. 0. 0. 0. 6. 0. 1. 0. 0. 0. 0.]
[0. 0. 0. 0. 0. 0. 0. 2. 0. 1. 0. 1. 0. 0. 0.]
[0. 0. 1. 0. 0. 1. 1. 2. 3. 5. 2. 2. 0. 0. 0.]
[0. 0. 0. 0. 0. 1. 0. 3. 7. 0. 1. 1. 0. 0. 0.]
[0. 0. 0. 0. 0. 0. 4. 2. 2. 3. 3. 3. 1. 0. 0.]
[0. 0. 0. 0. 0. 0. 0. 0. 2. 0. 0. 5. 3. 0. 0.]
[0. 0. 0. 0. 0. 1. 1. 0. 0. 1. 1. 3. 0. 0.]
[0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 1.]]
        FEMALE HISTOGRAM
******************************
[0. 0. 0. 0. 0. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0.]
[0. 1. 1. 2. 0. 1. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]
```

HISTOGRAM plot

Please find the attached excel sheet for the histogram plot.





Male Mean vector

[71.28846154 22.30128205]

Male covariance matrix

[[7.08778721 1.80157343] [1.80157343 2.06064769]]

Female Mean vector

[65.25280899 19.6011236]

Female covariance matrix

[[7.75780452 1.65170135] [1.65170135 1.75670327]]

RESULTS

SAMPLE SET	Male result from	Female result	RESULT
	Bayes Classifier	from Bayes	
		Classifier	
69,17.5	0.047221	0.048207	Female
66,22	0.047221	0.048207	Female
70,21.5	0.047221,	0.048207	Female
69,23.5	0.047221	0.048207	Female

SAMPLE SET	Male probability	Female	RESULT
		probability	
69,17.5	0	0	Can't determine
66,22	1	1	Can't determine
70,21.5	0	0	Can't determine
69,23.5	0	0	Can't determine

OBSERVATION:

Bayes Classifier is better to derive the results.