

BMI ANALYSIS

DATA:

			Age	Gender	BMI	Height	Weight
NAME	AGE	GENDER					
A Anisha	28	female	28	female	31.47	155	75.6
A Bhanu	31	male	31	male	25.58	168	72.2
A ROMIO SINGH	30	male	30	male	25.48	163	67.7
ABHISHEK KASHYAP	36	male	36	male	29	171	84.8
AJAY BENJWAL	28	male	28	male	24.25	171	70.9
AKHIL GARG	32	male	32	male	22.57	170.5	65.6
ALEENA GEORGE	24	female	24	female	22.02	145	46.3
ANKIT AGRAWAL	23	male	23	male	26.13	173	78.2
ANKUSH MISHRA	25	male	25	male	27.74	174	84
ASWIN P S	23	male	23	male	27.1727.17	181181	8989
ATA UL HAQUE	23	male	23	male	23.22	173	69.5
Aadithya Krishnan	23	male	23	male	24.37	172	72.1
Aahuti Sharma	24	female	24	female	26.37	160	67.5
Aakash Agrawal	30	male	30	male	15.32	164	41.2
Aarushi Tandon	25	female	25	female	24.52	168	69.2
Aashish Sharma	36	male	36	male	30.73	170	88.8
Aashray	26	male	26	male	25.31	176	78.4
Aayush Agarwal	22	male	22	male	339.01	68.7	160
Aayush thusu	30	male	30	male	26.99	176	83.6
Abeesha D	26	female	26	female	29.19	149	64.8

Ranges taken to provide status:

(low,high)->type

(0,19)->Underweight

(19, 25)->Normal

(25, 30)->Overweight

(30, 40)->Obese

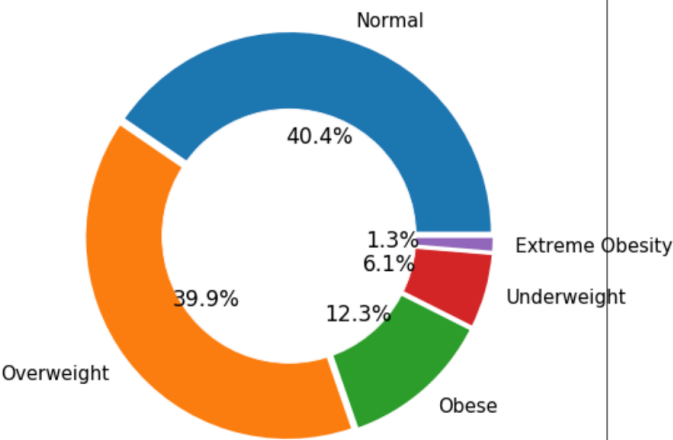
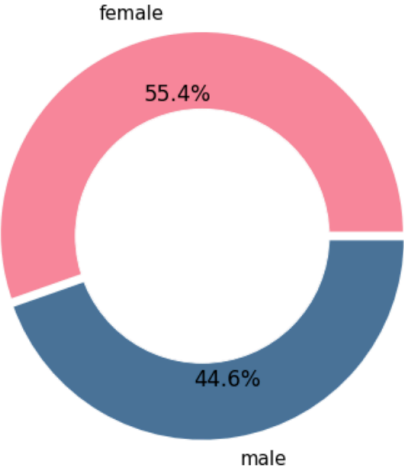
>40 -> Extreme Obesity

			Age	Gender	BMI	Height	Weight	Status
NAME	AGE	GENDER						
A Anisha	28	female	28	female	31.4	155.0	75.6	Obese
A Bhanu	31	male	31	male	25.5	168.0	72.2	Overweight
A ROMIO SINGH	30	male	30	male	25.4	163.0	67.7	Overweight
ABHISHEK KASHYAP	36	male	36	male	29.0	171.0	84.8	Overweight
AJAY BENJWAL	28	male	28	male	24.2	171.0	70.9	Normal
AKHIL GARG	32	male	32	male	22.5	170.5	65.6	Normal
ALEENA GEORGE	24	female	24	female	22.0	145.0	46.3	Normal
ANKIT AGRAWAL	23	male	23	male	26.1	173.0	78.2	Overweight
ANKUSH MISHRA	25	male	25	male	27.7	174.0	84.0	Overweight
ASWIN P S	23	male	23	male	27.1	181181.0	8989.0	Overweight
ATA UL HAQUE	23	male	23	male	23.2	173.0	69.5	Normal
Aadithya Krishnan	23	male	23	male	24.3	172.0	72.1	Normal
Aahuti Sharma	24	female	24	female	26.3	160.0	67.5	Overweight
Aakash Agrawal	30	male	30	male	15.3	164.0	41.2	Underweight
Aarushi Tandon	25	female	25	female	24.5	168.0	69.2	Normal
Aashish Sharma	36	male	36	male	30.7	170.0	88.8	Obese
Aashray	26	male	26	male	25.3	176.0	78.4	Overweight
Aayush Agarwal	22	male	22	male	339.0	68.7	160.0	Extreme Obesity
Aayush thusu	30	male	30	male	26.9	176.0	83.6	Overweight
Abeesha D	26	female	26	female	29.1	149.0	64.8	Overweight

Value counts:

Normal	1025
Overweight	1010
Obese	311
Underweight	155
Extreme Obesity	33

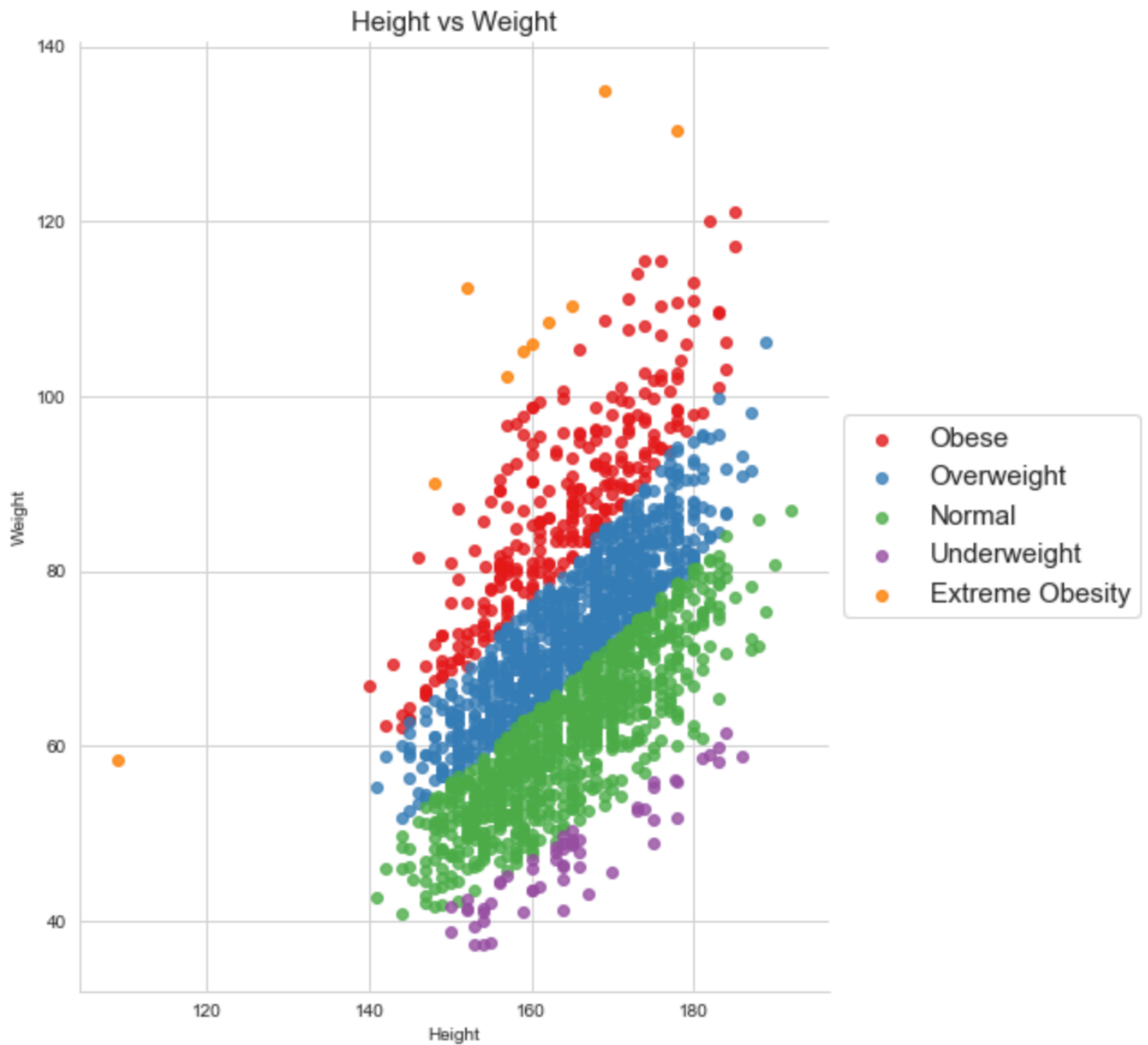
Donut Plots:



Scatter Plot:

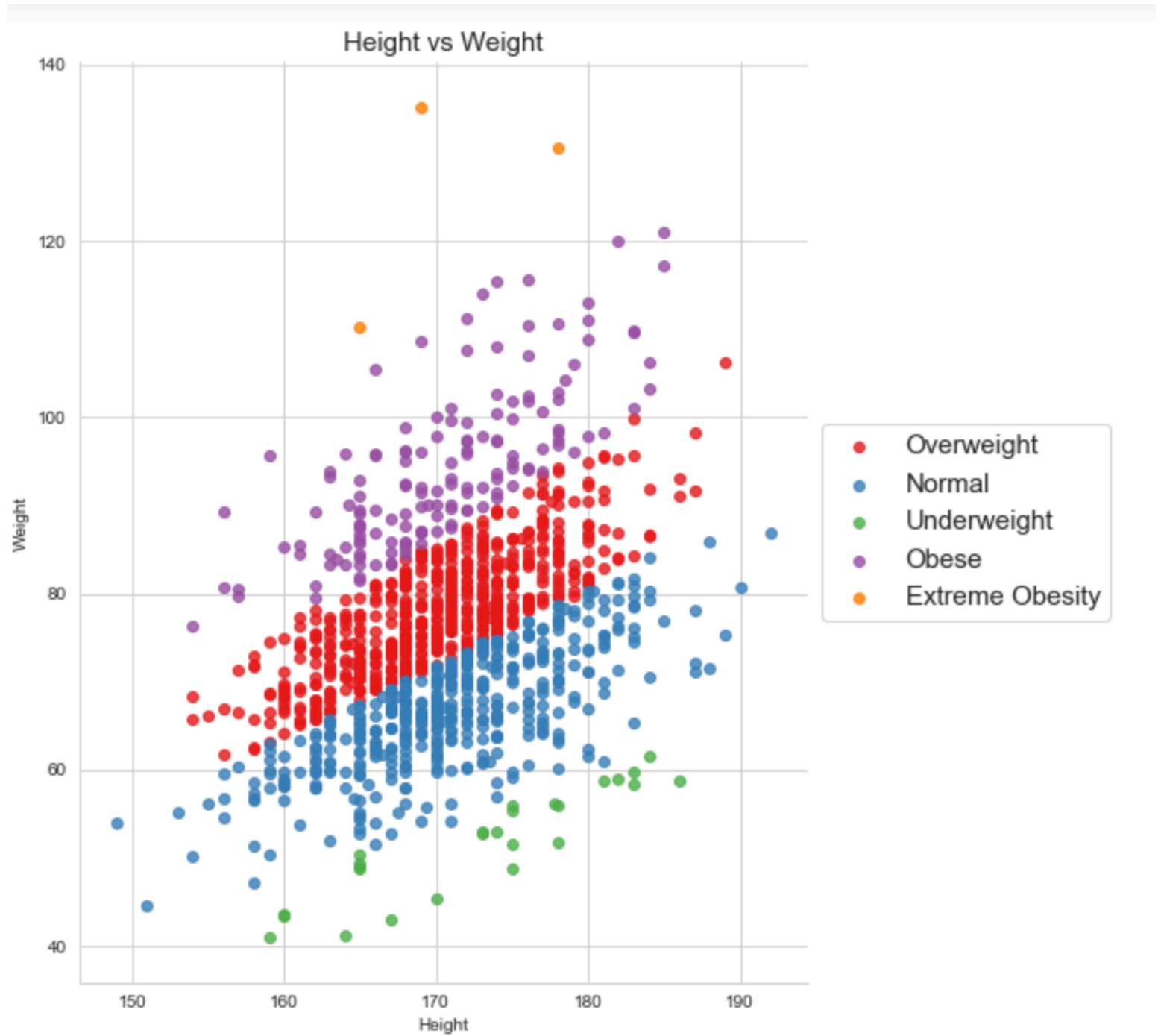
Height v/s Weight , hue = BMI

Overall:



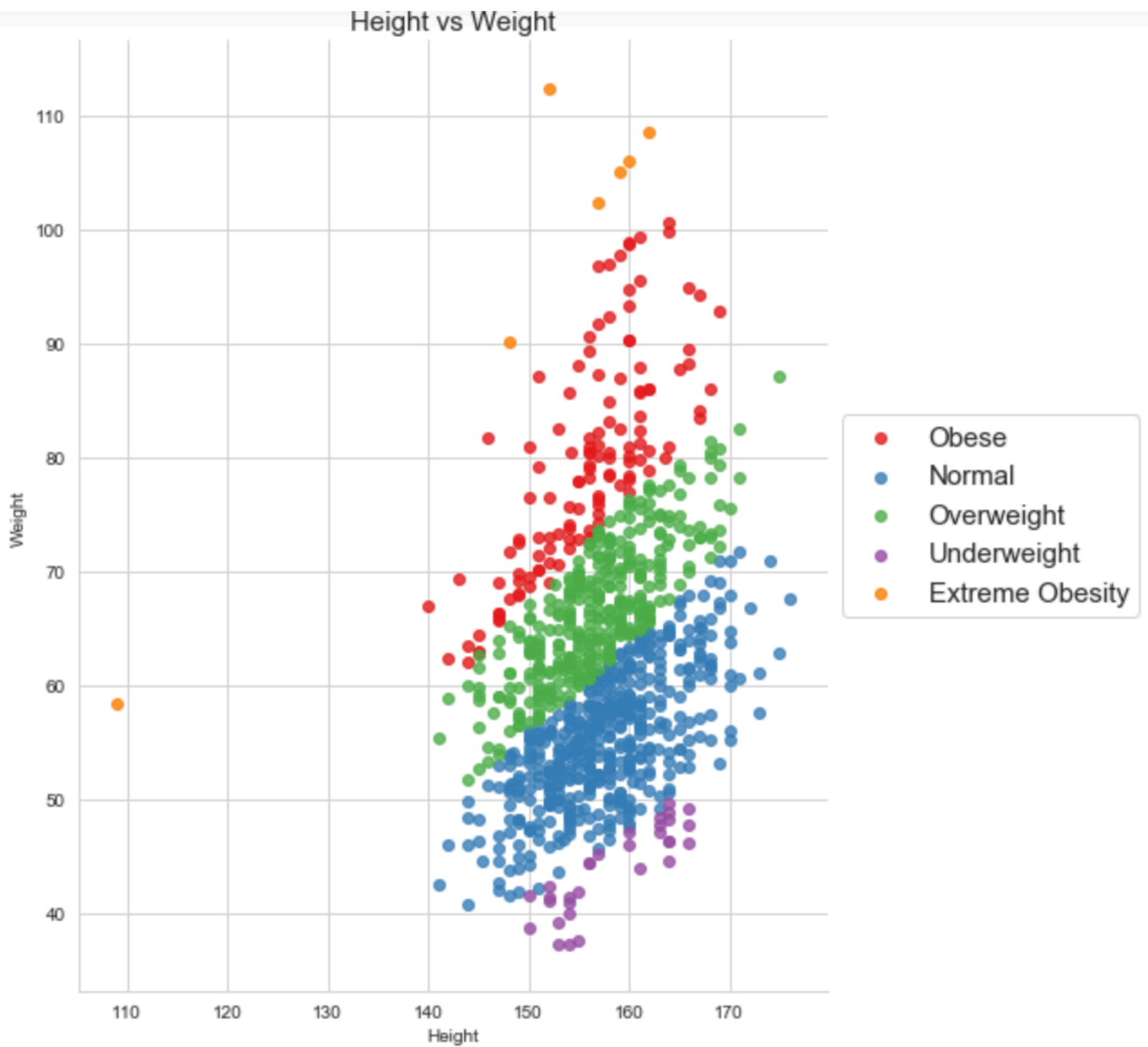
Note: The key colours are different for the plots.

Only Males:



Note:The key colours are different for the plots.

Only Females:



Note: The key colours are different for the plots.

Height Distribution:

Median: 165.0
Mean: 164.61752096924508
Median low: 165.0
Median high: 165.0
Median Grouped: 164.94444444444446
Mode: 168.0

Males Median: 171.0
Males Mean:(avg height) 170.64093567251464

Females Median: 157.0
Females Mean:(avg height) 157.0200210748156

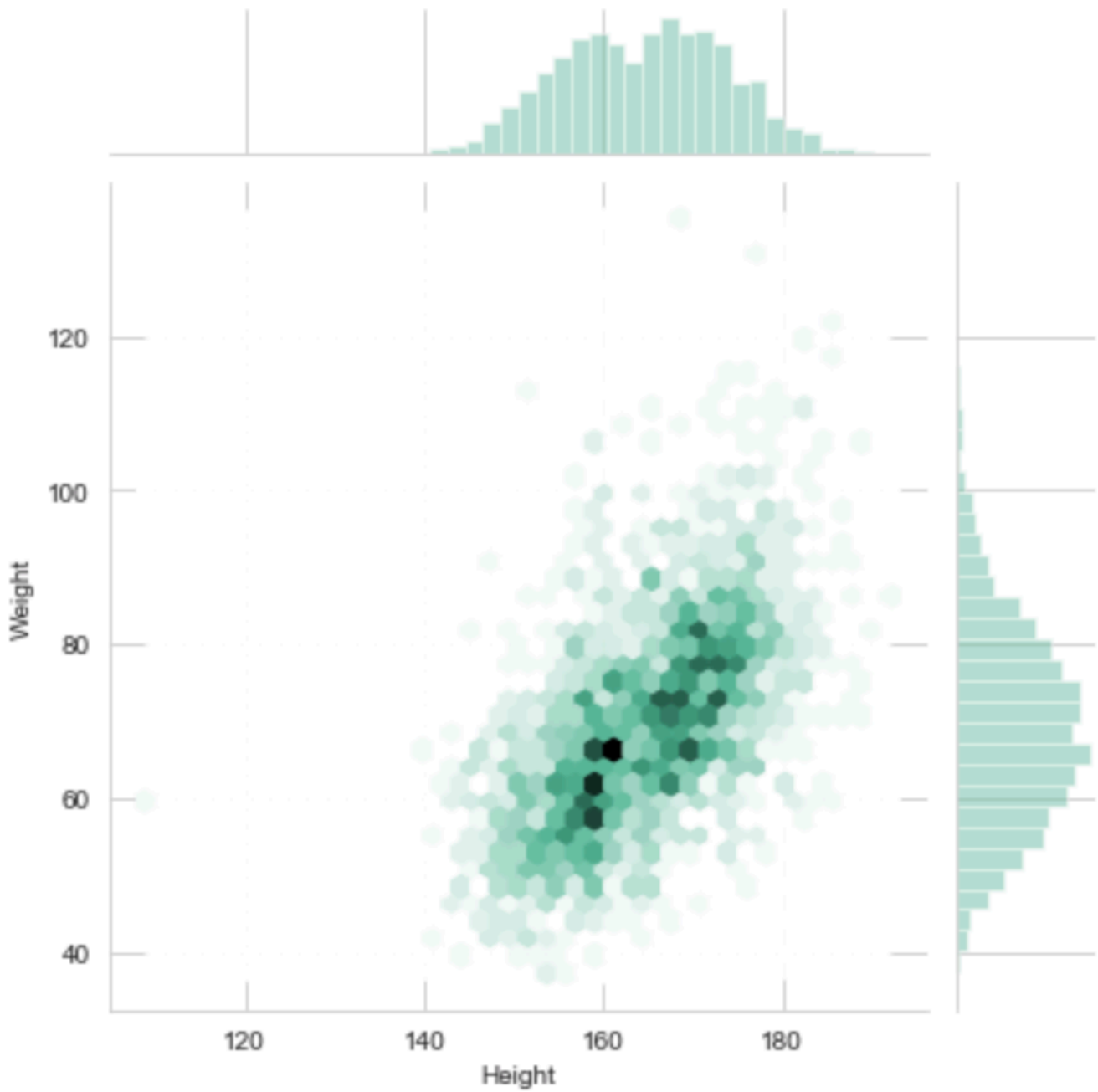
Weight Distribution:

Median: 69.1
Mean: 69.70964585274932
Median low: 69.1
Median high: 69.1
Median Grouped: 68.93333333333332
Mode: 66.6

Males Median: 74.7
Males Mean: (avg weight) 75.53316624895572

Males Median: 61.2
Males Mean: (avg weight) 62.364278187565866

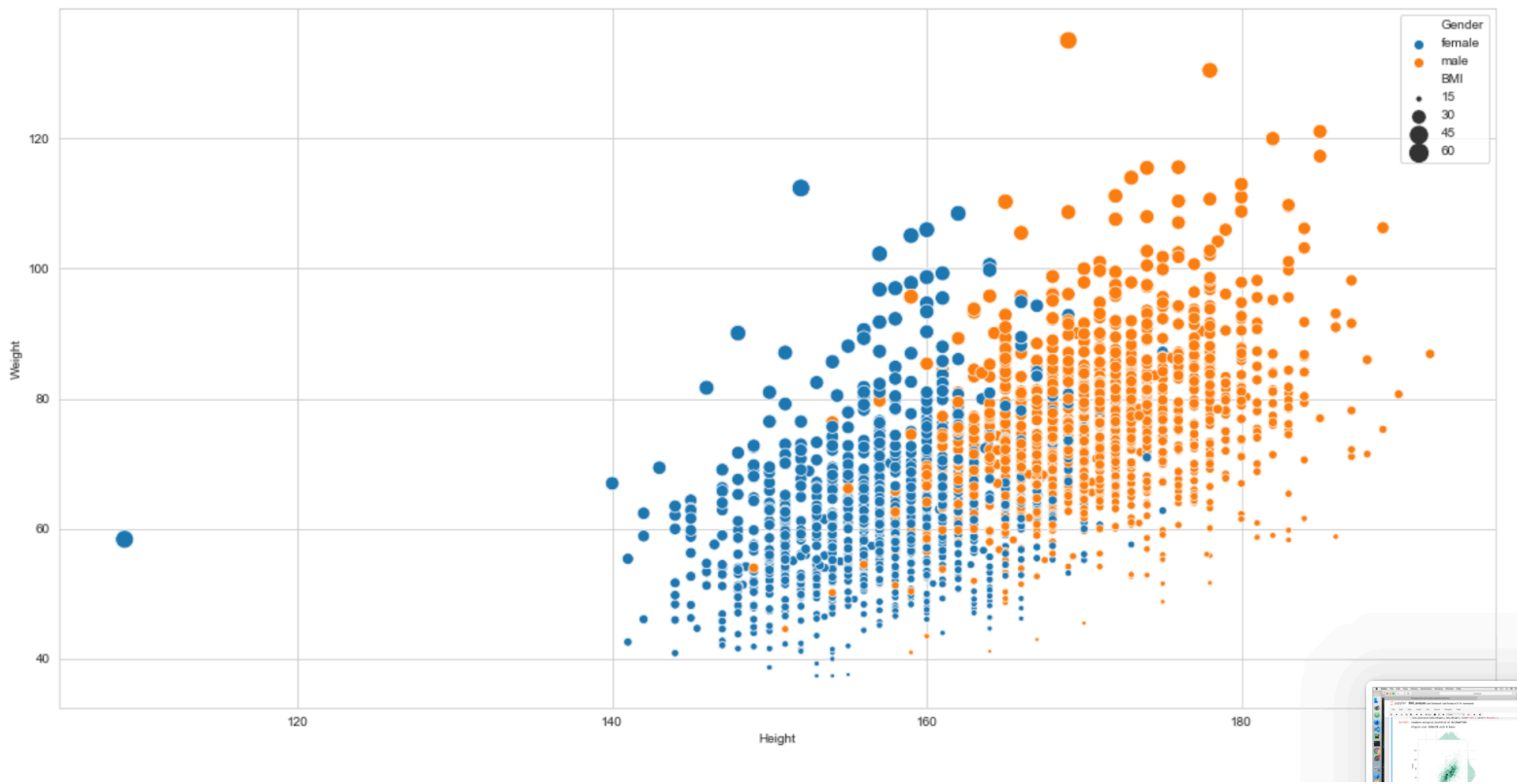
Density Plot:



Note: The darker the region, the higher the number of people with that value.

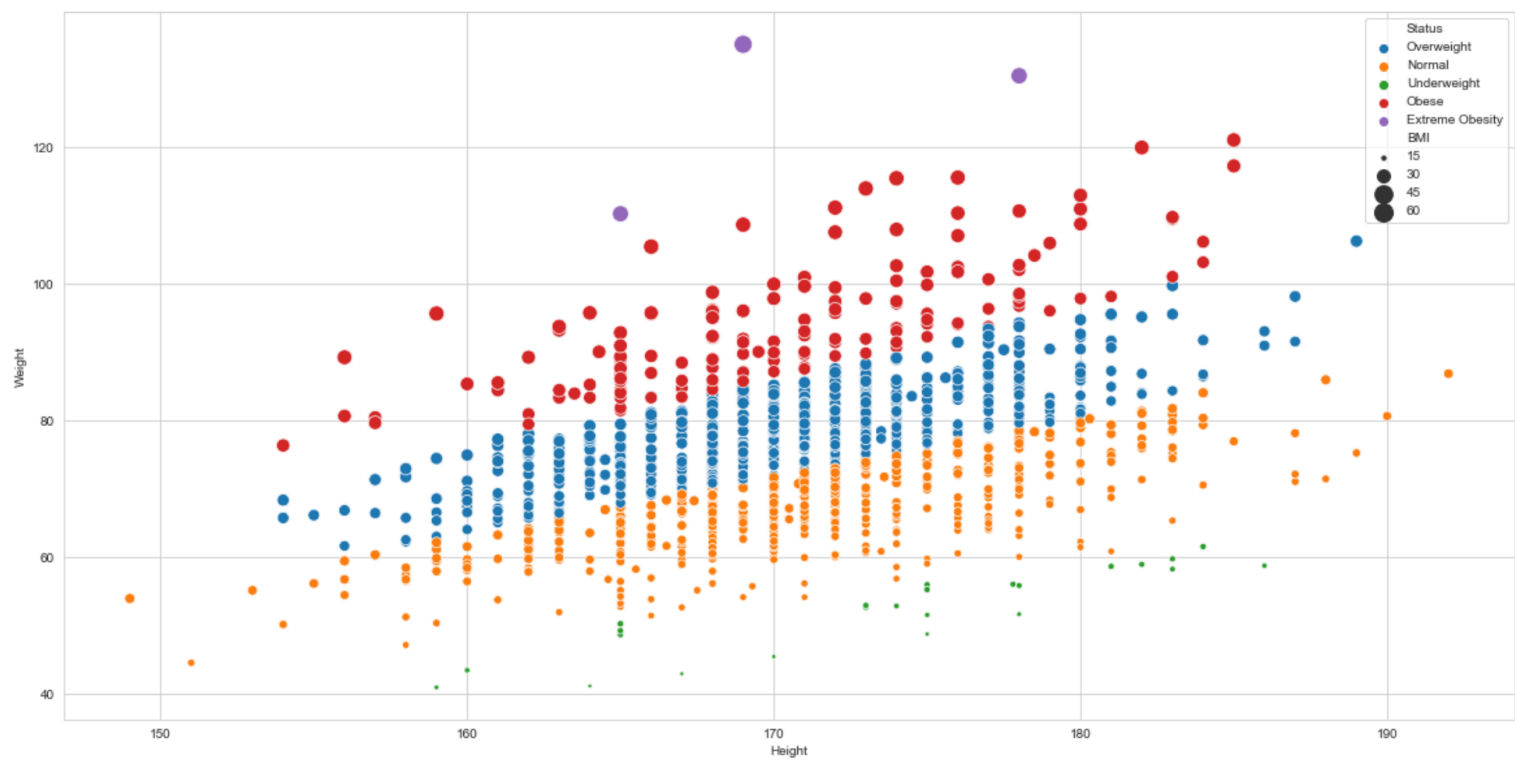
Size+Scatter Plot:

Overall:



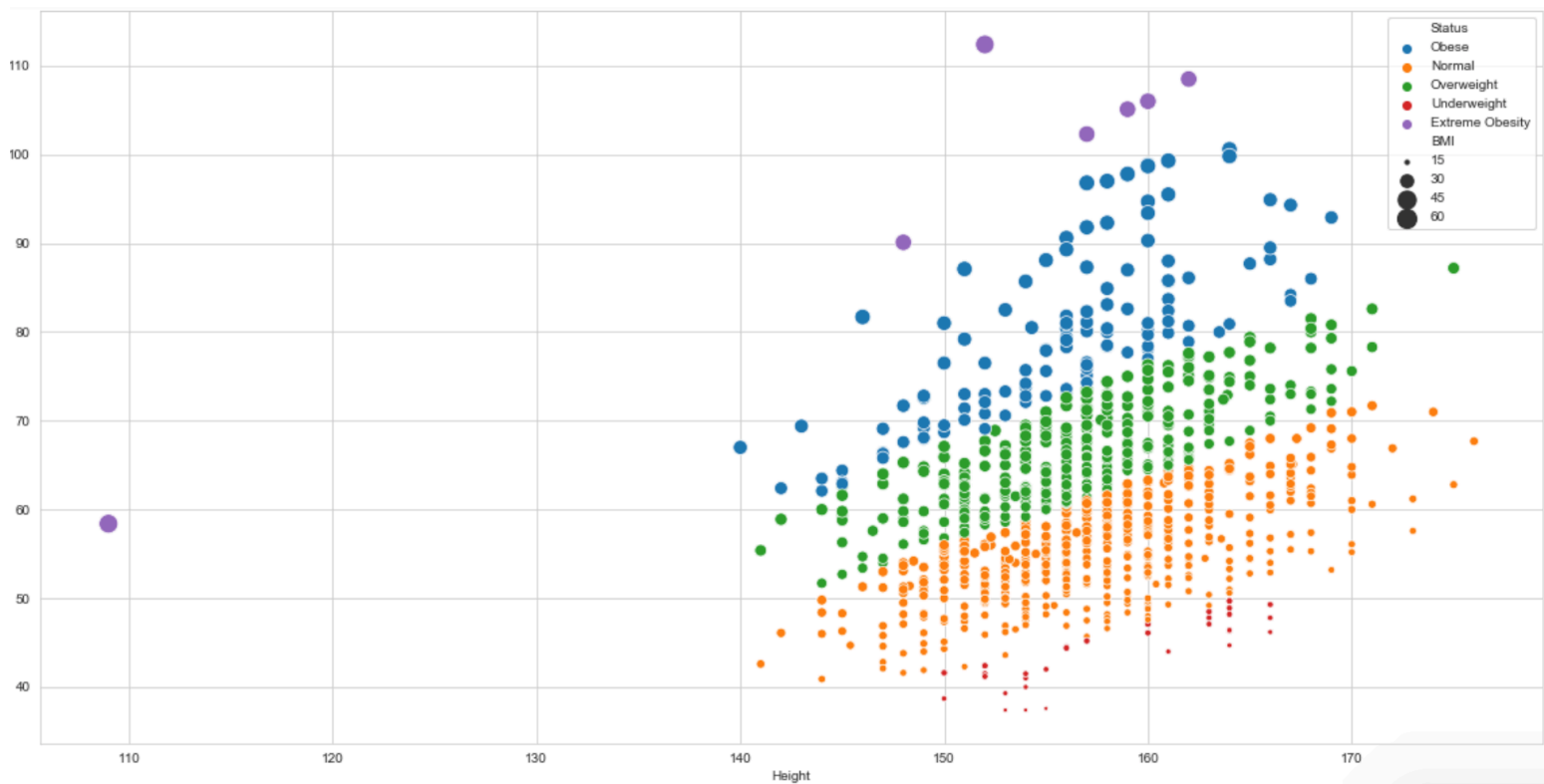
Note:The key colours are different for the plots.

Only males:



Note:The key colours are different for the plots.

Only females:



Note:The key colours are different for the plots.

****END****

