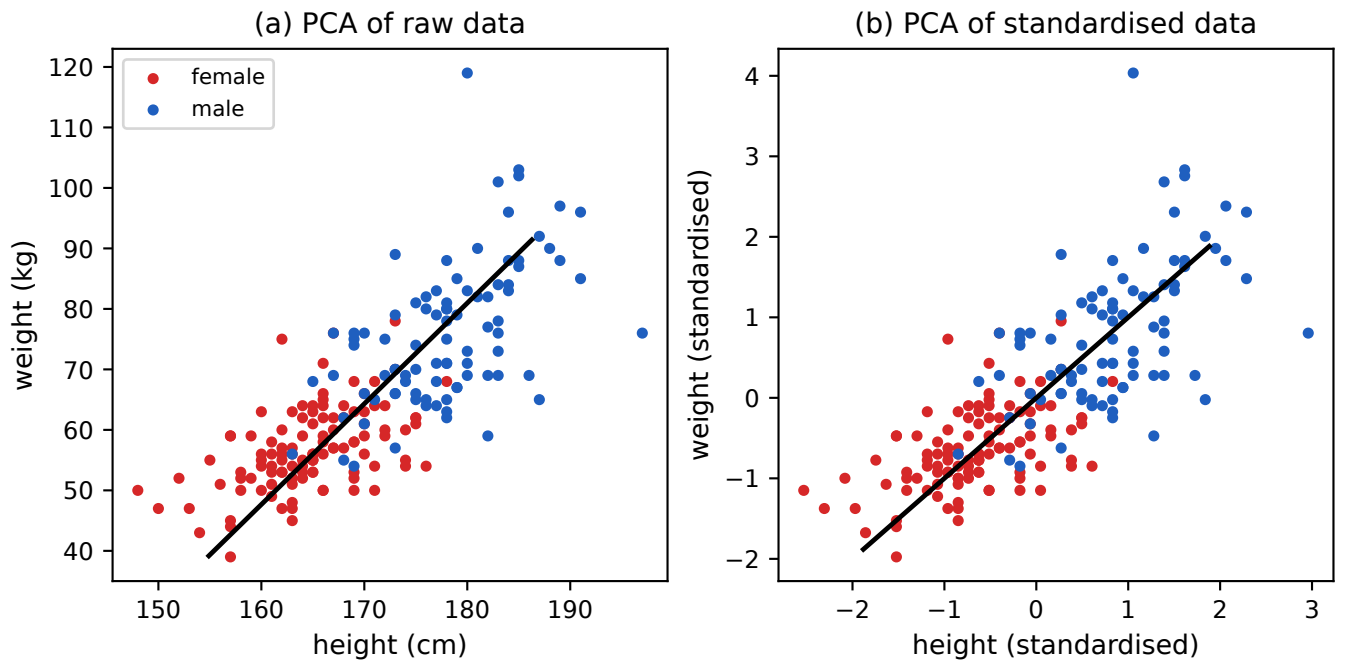

(a) PCA of raw data
female
male
weight (kg)
height (cm)
120
110
100
90
80
70
60
50
40
150
160
170
180
190
(b) PCA of standardised data
weight (standardised)
height (standardised)
4
3
2
1
0
−1
−2
−2
−1
0
1
2
3