**codebook**

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| **Variable** | **Description** |
| data set | training set or testing set |
| no. | serial number for participants |
| age | the age of participants(year) |
| gender | the gender of participants 0：women、1：men |
| height | the height of participants(cm) |
| weight | the weight of participants(kg) |
| body fat | body fat percentage (BF%)  |
| HR0 | heart rate at the beginning(bpm) |
| HR2 | heart rate at the second minute(bpm) |
| HR3 | heart rate at the third minute(bpm) |
| HR4 | heart rate at the fourth minute(bpm) |
| V02 max | the value of the maximum oxygen uptake(ml/kg/min) |