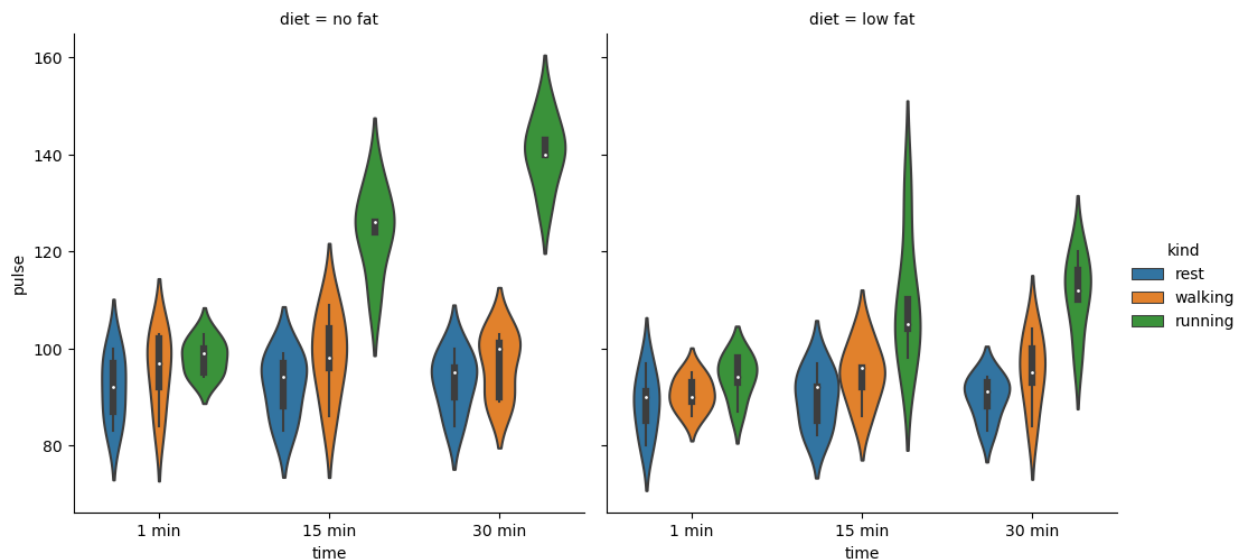


Factor Plot

Factor Plot is used to draw a different types of [categorical plot](#).

The default plot that is shown is a point plot, but we can plot other seaborn categorical plots by using of kind parameter, like box plots, violin plots, bar plots, or strip plots.



We have 2 graphs one is diet=no fat and diet=low fat .

We take diet = no fat ,in this graph X-axis is time and Y-axis is pulse .

Blue color indicates rest, orange color indicates walking and green color indicates running .

In 1 minute

Resting time the pulse rate is 75-110.

Most person resting time pulse rate is 82-100 .

Walking time the pulse rate is 75-115

Most person walking time pulse rate is 90-110

Running time the pulse rate is 90-110

Most person walking time pulse rate is 95-105

In 15 minutes

Resting time the pulse rate is 75-110.

Most person resting time pulse rate is 80-100 .

Walking time the pulse rate is 75-120

Most person walking time pulse rate is 90-110

Running time the pulse rate is 100-145

Most person walking time pulse rate is 120-130

In 30 minutes

Resting time the pulse rate is 80-110.

Most person resting time pulse rate is 95-105 .

Walking time the pulse rate is 80-118

Most person walking time pulse rate is 85-110

Running time the pulse rate is 125-160

Most person walking time pulse rate is 130-150

In resting time ,there is no difference in pulse rate in 1min,15mins,30mins .

In walking time ,little bit pulse rate increase in 1min to 15 min and in 30 mins the pulse rate is decrease .

In Running Time ,the pulse rate is increasing mode in 1min,15 min and 30 min.

We take diet = low fat ,in this graph X-axis is time and Y-axis is pulse .

Blue color indicates rest, orange color indicates walking and green color indicates running .

In 1 minute

Resting time the pulse rate is 72-110.

Most person resting time pulse rate is 78-95 .

Walking time the pulse rate is 80-100

Most person walking time pulse rate is 85-95

Running time the pulse rate is 80-105

Most person walking time pulse rate is 90-100

In 15 minutes

Resting time the pulse rate is 75-110.

Most person resting time pulse rate is 80-90 .

Walking time the pulse rate is 79-115

Most person walking time pulse rate is 90

Running time the pulse rate is 80-145

Most person walking time pulse rate is 95-105

In 30 minutes

Resting time the pulse rate is 79-100.

Most person resting time pulse rate is 90-95 .

Walking time the pulse rate is 80-115

Most person walking time pulse rate is 95-100

Running time the pulse rate is 125-160

Most person walking time pulse rate is 110-120

In resting time ,there is no difference in pulse rate in 1min,15mins,30mins .

In walking time , pulse rate is increasing mode in 1min , 15 min and in 30 mins .
In Running Time ,the pulse rate is increasing mode in 1min,15 min and the pulse rate is decrease in 30 min.

Comparing these two graphs -

The rest time pulse rate is equal .

The walking time pulse rate is decreases when compare to no fat table .

The running time pulse rate also decreased when compare to no fat table .