

**Qn: A hospital wants to analyze the relationship between daily physical activity and blood sugar levels in patients.**

Data is collected from 10 patients, recording:

- Average daily walking time (minutes)
- Fasting blood sugar level (mg/dL)

Dataset	Walking Time (Minutes/day)	Blood Sugar (mg/dL)
1	10	210
2	15	200
3	20	195
4	30	180
5	35	170
6	40	165
7	50	150
8	55	145
9	60	140
10	70	130

**Tasks:**

1. Draw a scatter plot with:

X-axis: Walking Time

Y-axis: Blood sugar level

2. Describe the relationship between walking time and blood sugar.

3. Identify whether the correlation is positive or negative.

4. Also, explain how such analytics could be supportive to healthcare planners and health workers