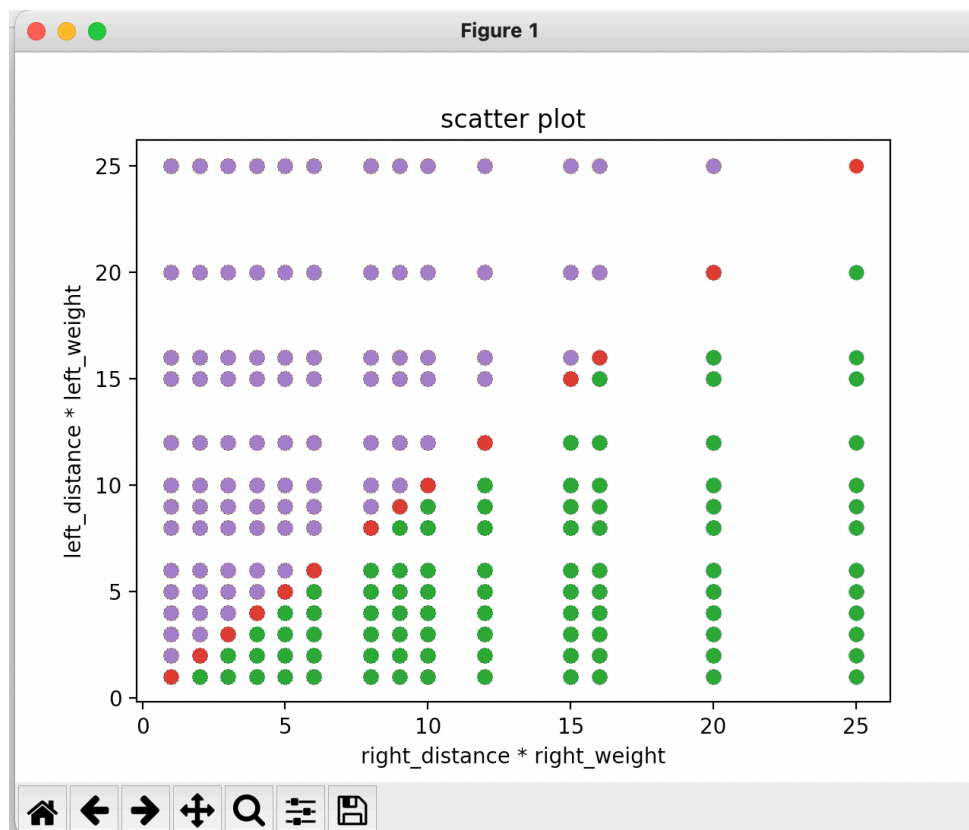


# scatter and box plot using matplotlib

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## Scatter plot

A scatter plot uses dots to represent values for two different numeric variables. The position of each dot on the horizontal and vertical axis indicates values for an individual data point. Scatter plots are used to observe relationships between variables.



The example scatter plot above shows the left weight \* left distance and right weight \* right distance for a sample data set. Each point's horizontal position indicates left weight \* left distance and the vertical position indicates for right.

## Box plot

In the box plot section, we drew a diagram for each of the left, right and balanced equilibrium modes, which shows that adding a unit to the left weight and left distance has an effect and causes an imbalance to the left. Also, adding a unit to the right weight and the right distance has an effect and causes an imbalance to the right.

