

Print a copy

We suggest that you keep a copy of this information sheet for your records.

Consent

Please choose an option below to continue to participate or withdraw from the study.

By checking the first box, you confirm that you have read and understood the above information.

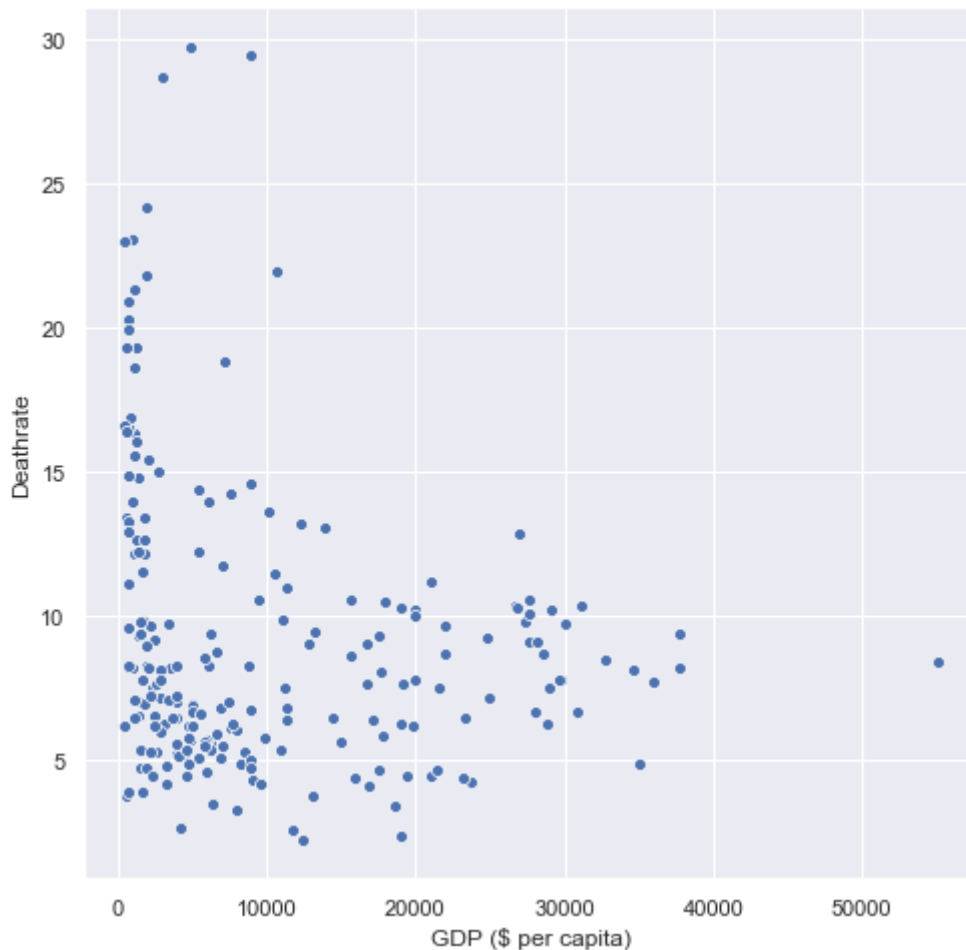
- ☐ I agree to take part in the above study. I understand that my participation is voluntary, that I can choose not to participate in part or all of the project, and that I can withdraw at any stage of the project without being penalized.
- ☐ I do not agree to take part in the above study

No consent

As you do not wish to participate in this study, please return your submission on Prolific by selecting the "Stop without completing" button.

Block 9

You might already know this, but a scatterplot (or a dot plot) is a visual display of some collected data, where you want to compare the values of two measurements (also called *variables*). For example, one can use a scatterplot to compare how the GDP per capita compares to the deathrate (the number of deaths per thousand of population per year) for every country in the world. In this case, each dot in the graphic will represent a country, and the dots will be positioned according to the two measurements. The figure below shows a scatterplot of such data from the World Factbook; in this example, the dot in the far right represents Luxembourg, with a high GDP per capita and a deathrate slightly below 10.

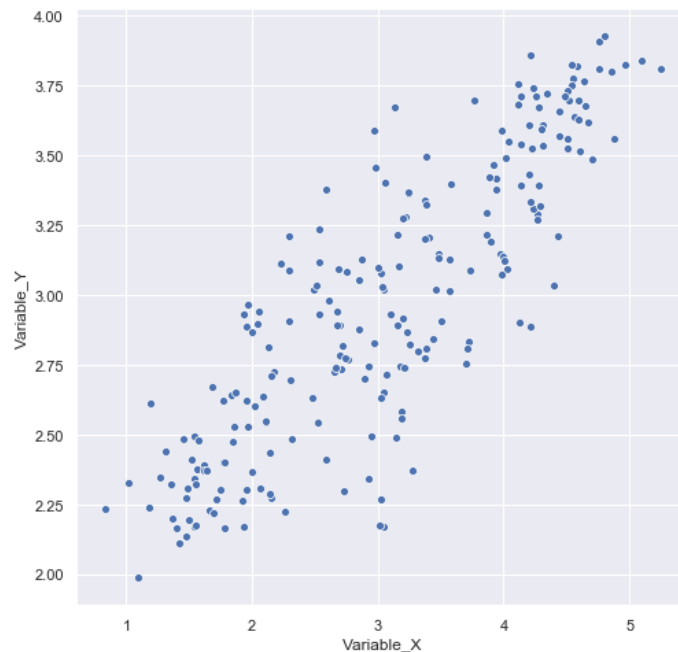


In this survey, we will use scatterplots with random abstract data; this means that there is no real meaning to the points or the measurements. You will be presented up to 5 such statements. You are allowed to reselect the same chart(s) for different statements. For each statement, you are expected to select **all the charts that apply** and our requirement is that you select **at least one chart** for each statement.

Reminder: You are allowed to reselect the same chart(s) for different statements. Our requirement is that you select at least one chart for each statement. **IMPORTANT:** Although we don't have a strict set of correct answers, we do have a baseline that we will use to check the validity of the charts for some of the statements and reject invalid answers. Answers that will be rejected include, among others not listed: the same chart(s) chosen for every statement or random selections that show that the experiment was not taken seriously.

Test block

Before continuing: the chart below is an example of a scatterplot showing the relationship between two variables.



Please select a statement below that best describes the relationship in the chart:

- ☐ There is a negative correlation between the variables
- ☐ There is no correlation between the variables
- ☐ There is a positive correlation between the variables

Proceed

You will now proceed with the task.

Positive

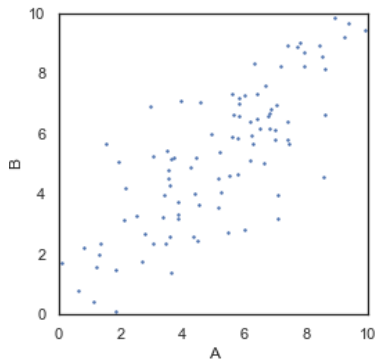
Please select all the charts that apply to the following statement:

"There is positive correlation between A and B"

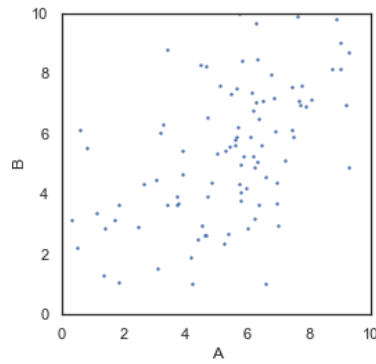
☐ Chart 1

☐ Chart 2

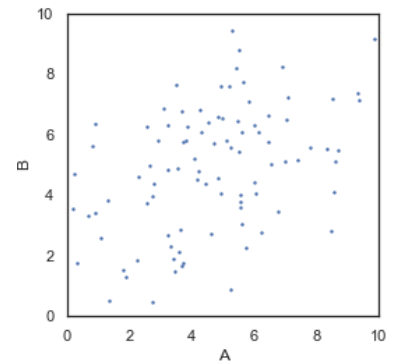
☐ Chart 3



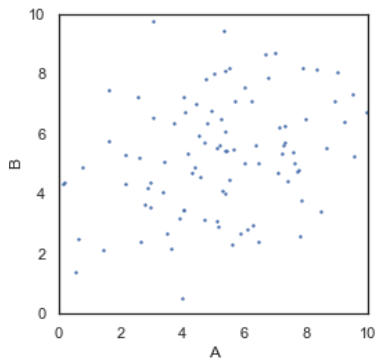
☐ Chart 4



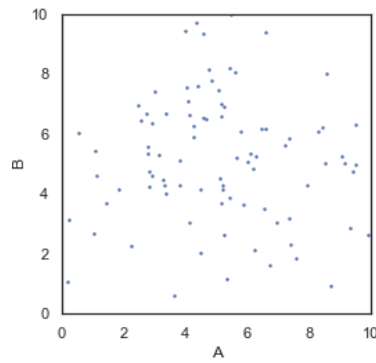
☐ Chart 5



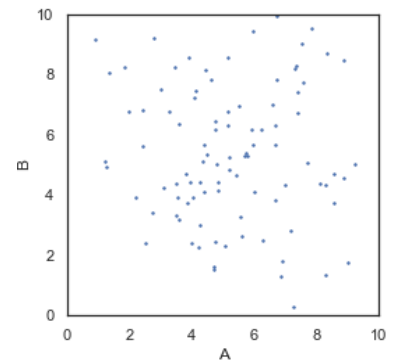
☐ Chart 6



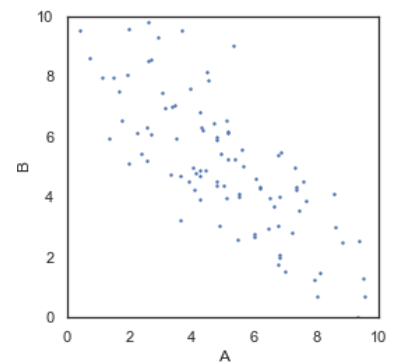
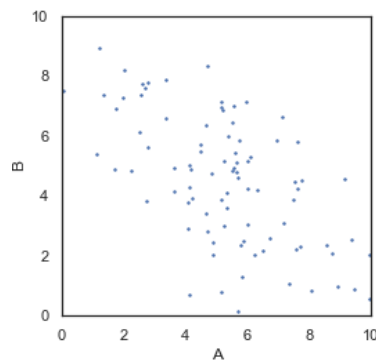
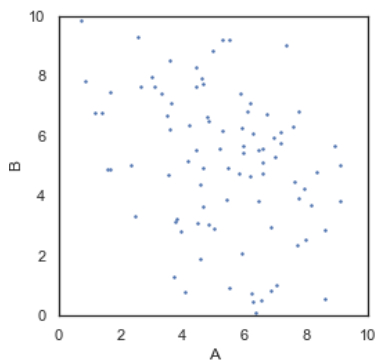
☐ Chart 7



☐ Chart 8



☐ Chart 9



Negative

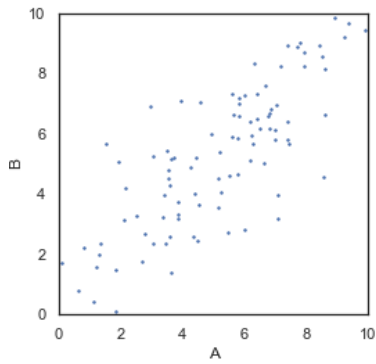
Please select all the charts that apply to the following statement:

"There is negative correlation between A and B"

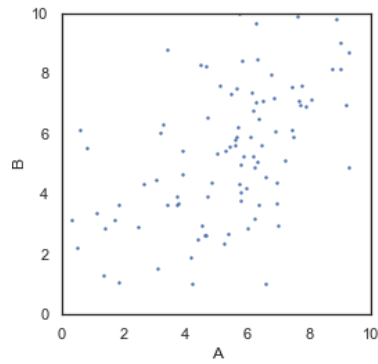
☐ Chart 1

☐ Chart 2

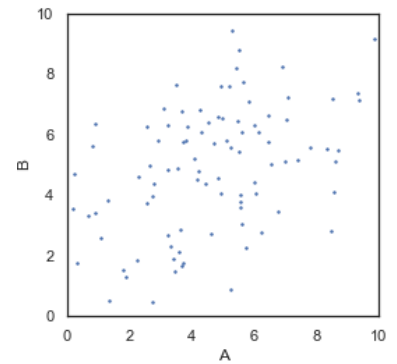
☐ Chart 3



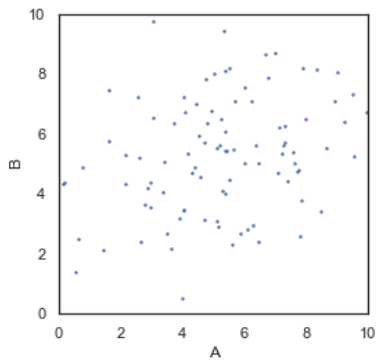
☐ Chart 4



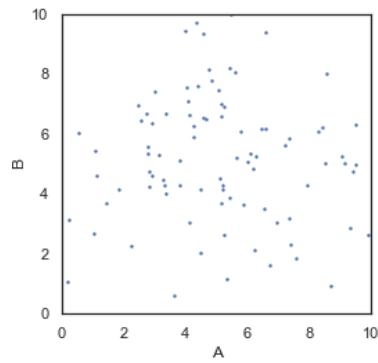
☐ Chart 5



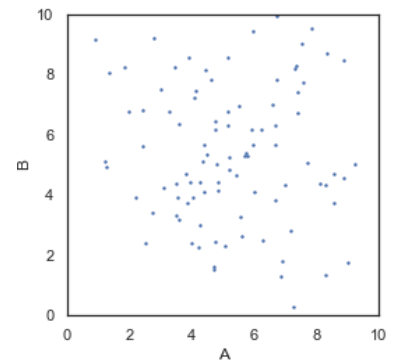
☐ Chart 6



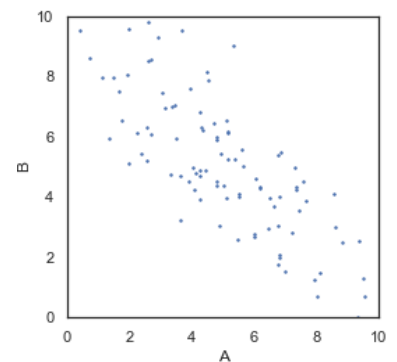
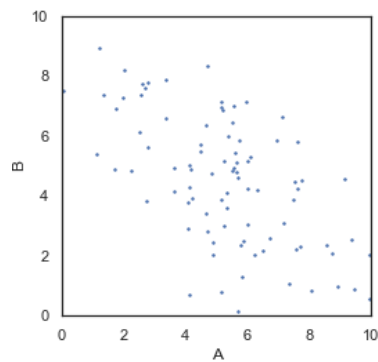
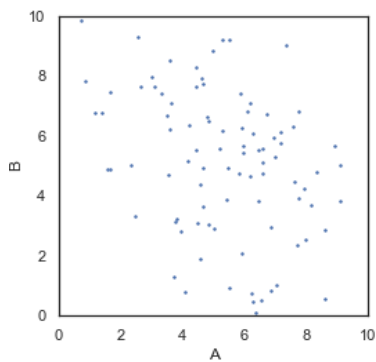
☐ Chart 7



☐ Chart 8



☐ Chart 9



Strong

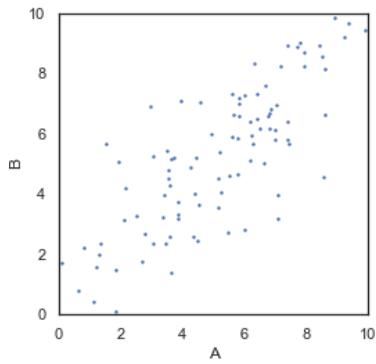
Please select all the charts that apply to the following statement:

"There is strong correlation between A and B"

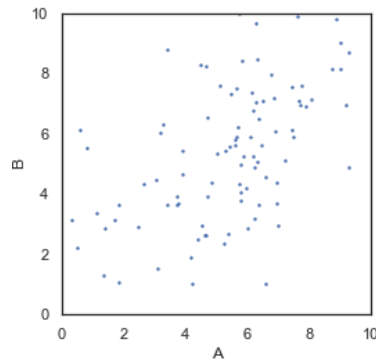
☐ Chart 1

☐ Chart 2

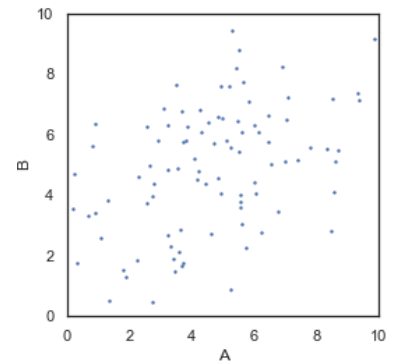
☐ Chart 3



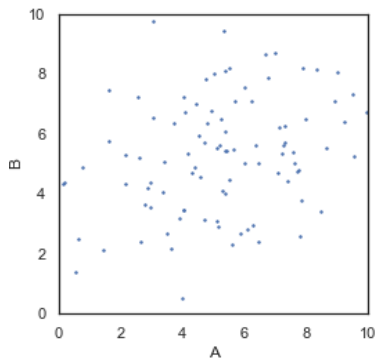
☐ Chart 4



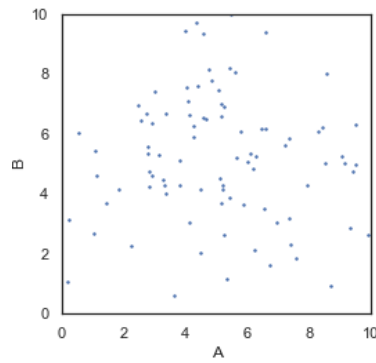
☐ Chart 5



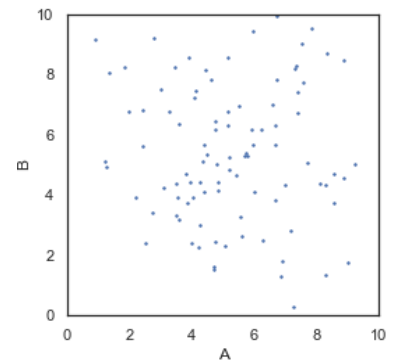
☐ Chart 6



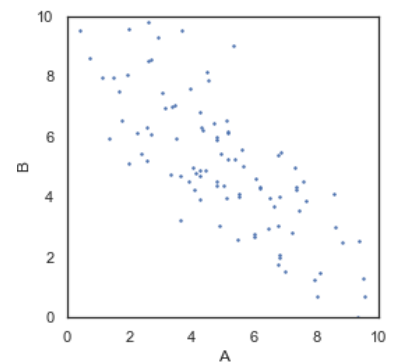
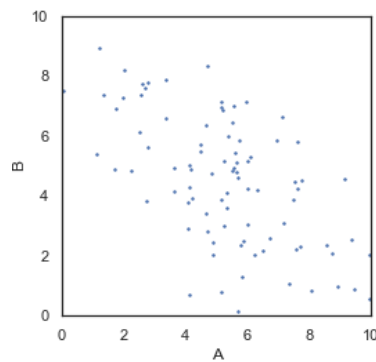
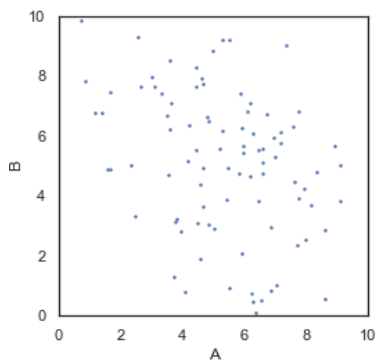
☐ Chart 7



☐ Chart 8



☐ Chart 9



Moderate

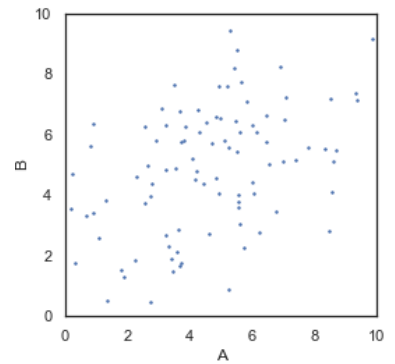
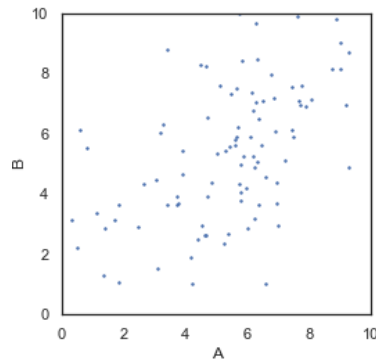
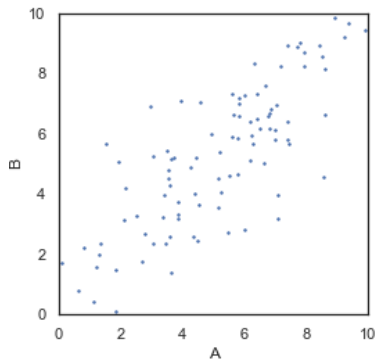
Please select all the charts that apply to the following statement:

"There is moderate correlation between A and B"

☐ Chart 1

☐ Chart 2

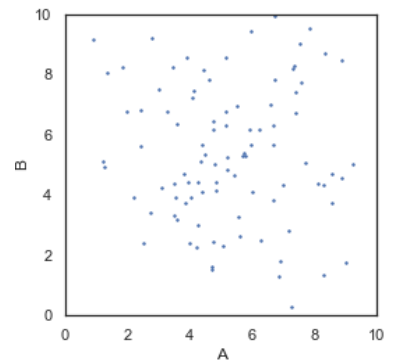
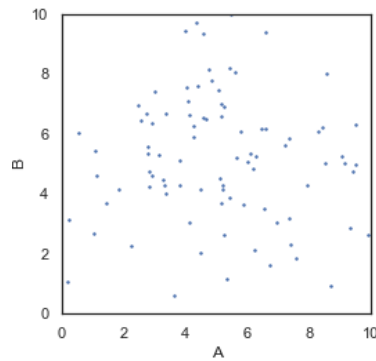
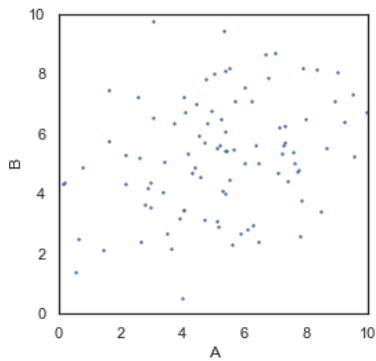
☐ Chart 3



☐ Chart 4

☐ Chart 5

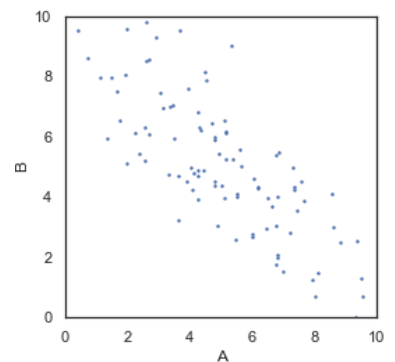
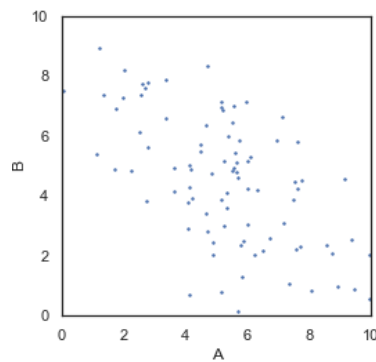
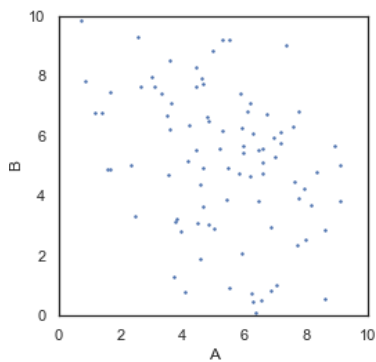
☐ Chart 6



☐ Chart 7

☐ Chart 8

☐ Chart 9



Weak

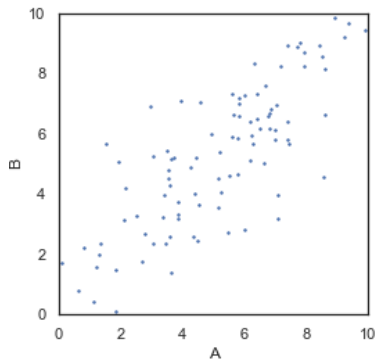
Please select all the charts that apply to the following statement:

"There is weak correlation between A and B"

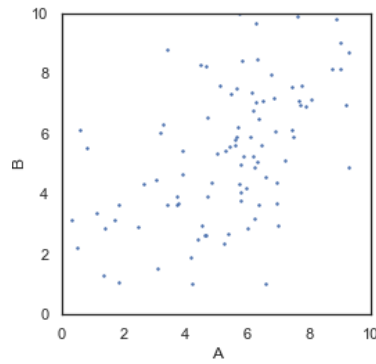
☐ Chart 1

☐ Chart 2

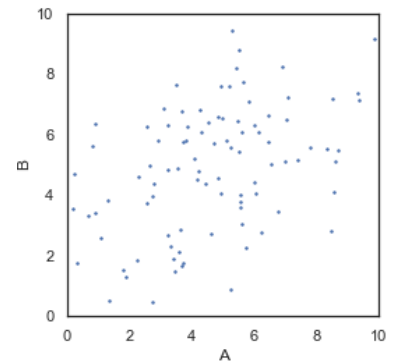
☐ Chart 3



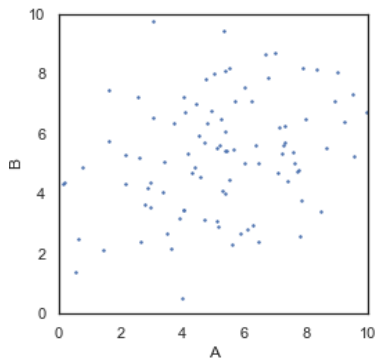
☐ Chart 4



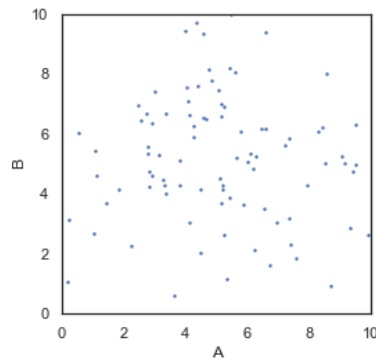
☐ Chart 5



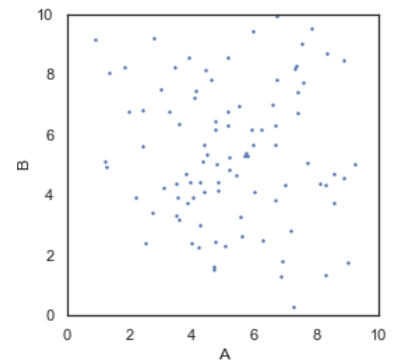
☐ Chart 6



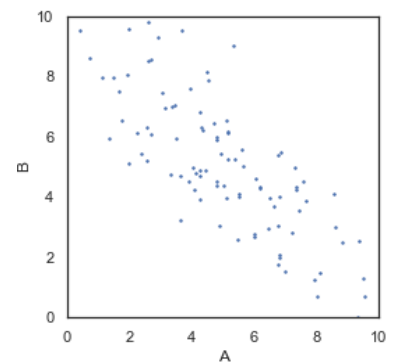
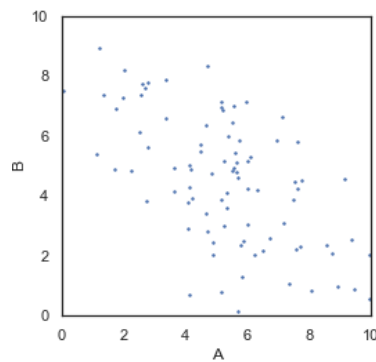
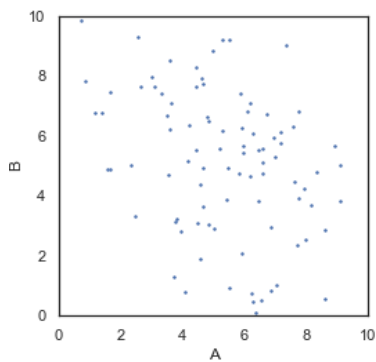
☐ Chart 7



☐ Chart 8



☐ Chart 9



Clear

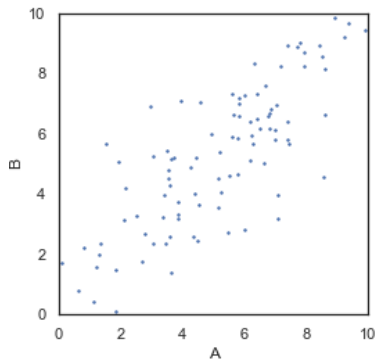
Please select all the charts that apply to the following statement:

"There is a clear relationship between A and B"

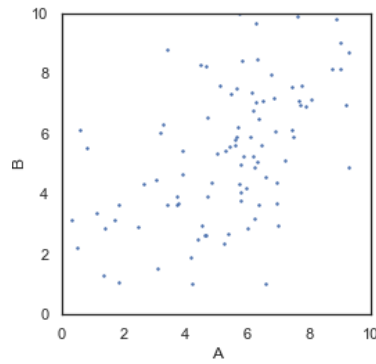
☐ Chart 1

☐ Chart 2

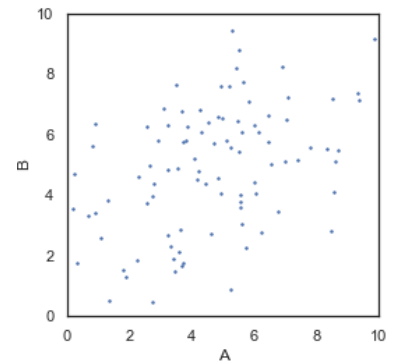
☐ Chart 3



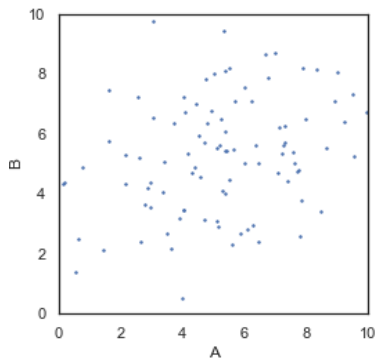
☐ Chart 4



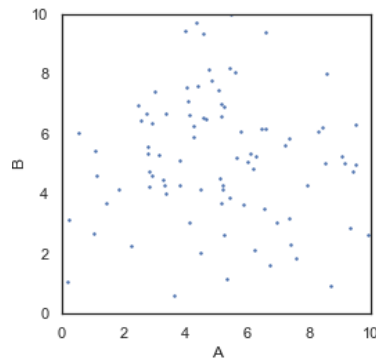
☐ Chart 5



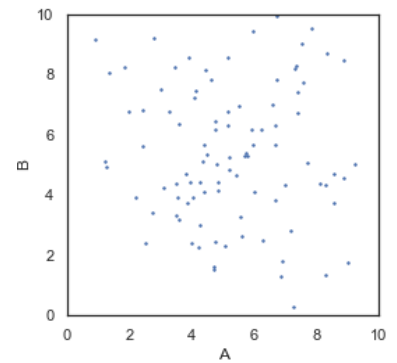
☐ Chart 6



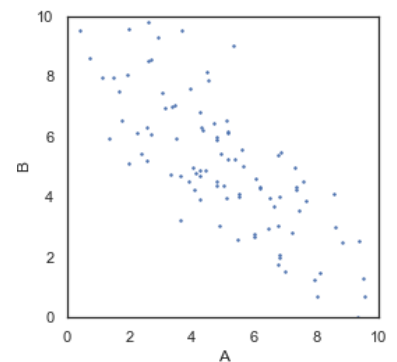
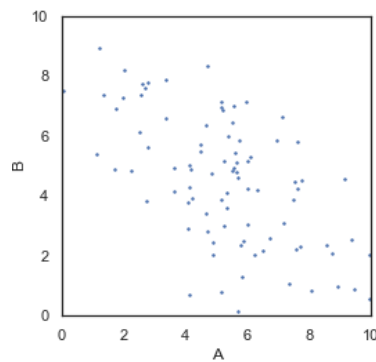
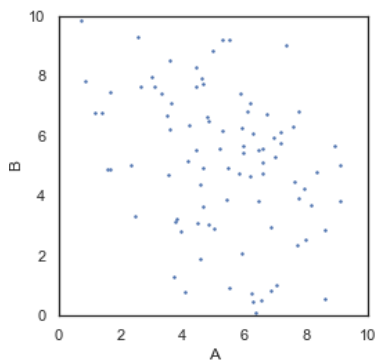
☐ Chart 7



☐ Chart 8



☐ Chart 9



No clear

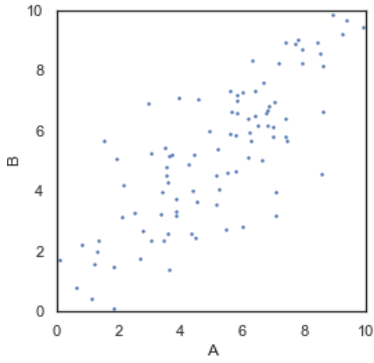
Please select all the charts that apply to the following statement:

"There is no clear relationship between A and B"

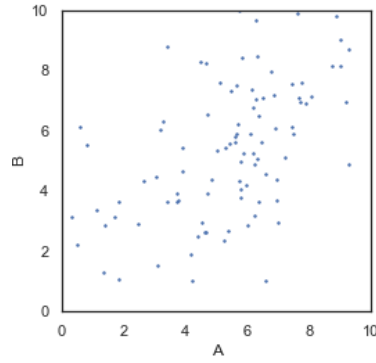
☐ Chart 1

☐ Chart 2

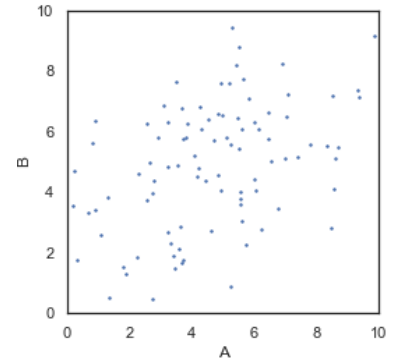
☐ Chart 3



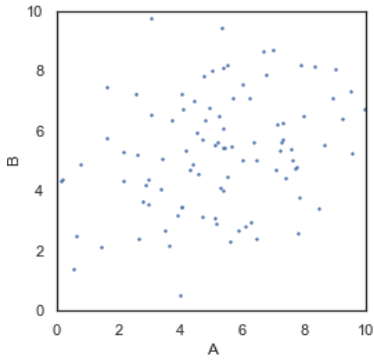
☐ Chart 4



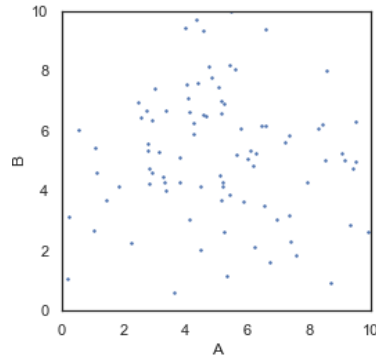
☐ Chart 5



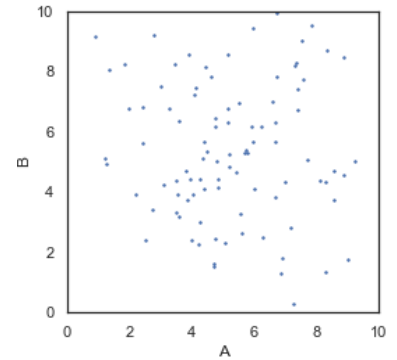
☐ Chart 6



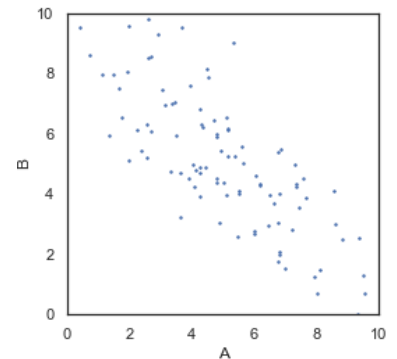
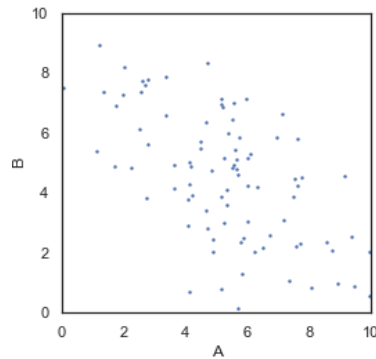
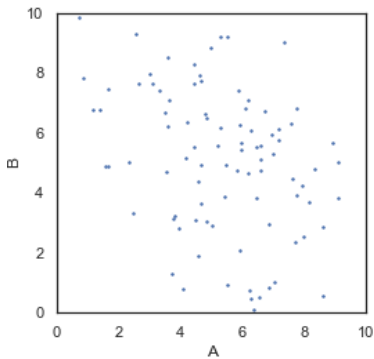
☐ Chart 7



☐ Chart 8



☐ Chart 9



Tight

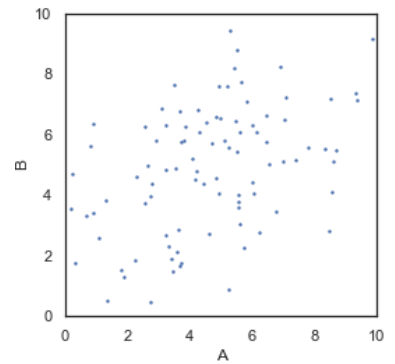
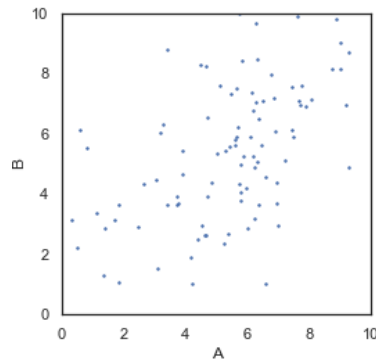
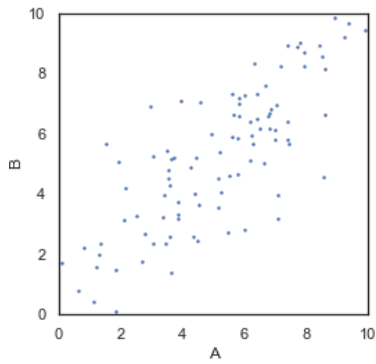
Please select all the charts that apply to the following statement:

"There is a tight relationship between A and B"

☐ Chart 1

☐ Chart 2

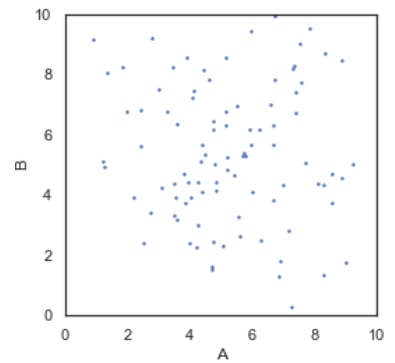
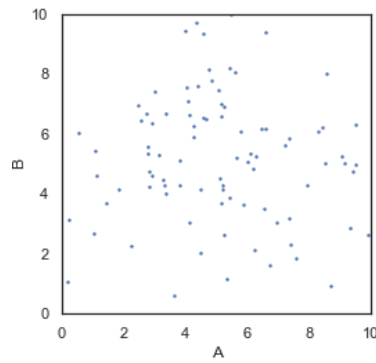
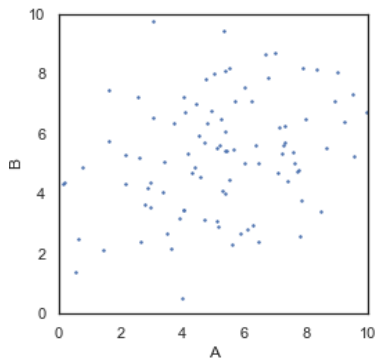
☐ Chart 3



☐ Chart 4

☐ Chart 5

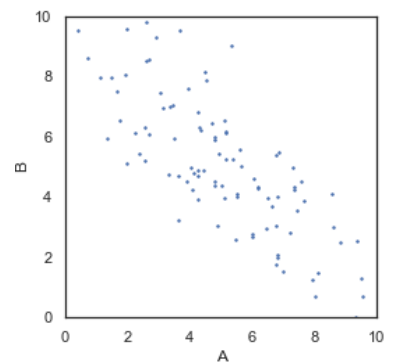
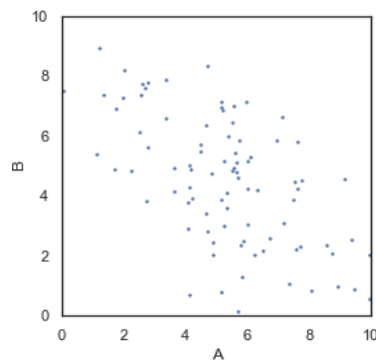
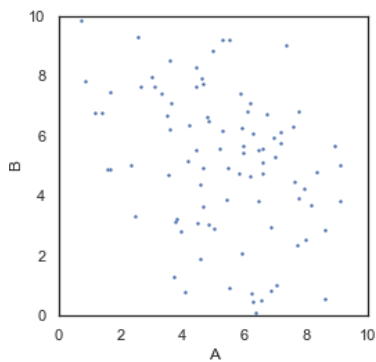
☐ Chart 6



☐ Chart 7

☐ Chart 8

☐ Chart 9



Loose

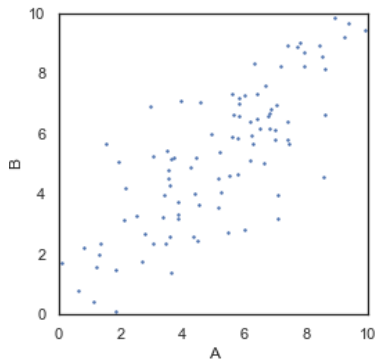
Please select all the charts that apply to the following statement:

"There is a loose relationship between A and B"

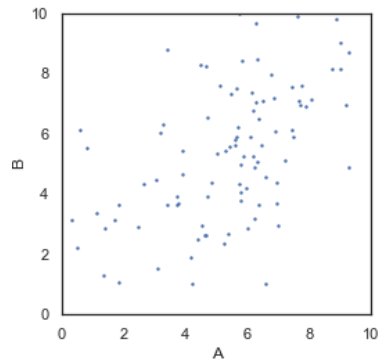
☐ Chart 1

☐ Chart 2

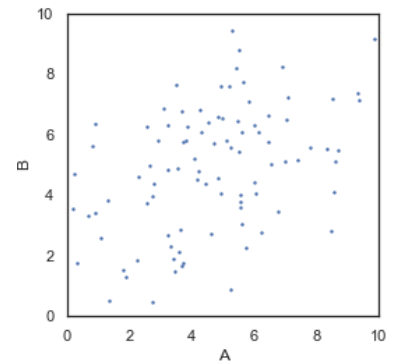
☐ Chart 3



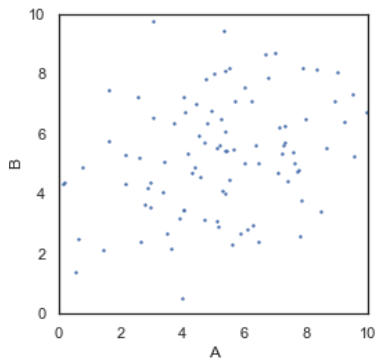
☐ Chart 4



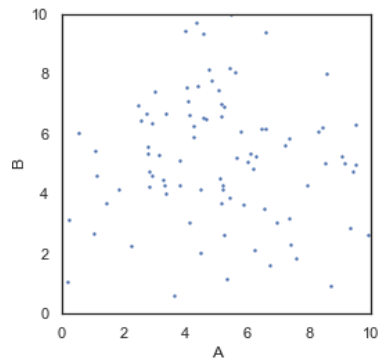
☐ Chart 5



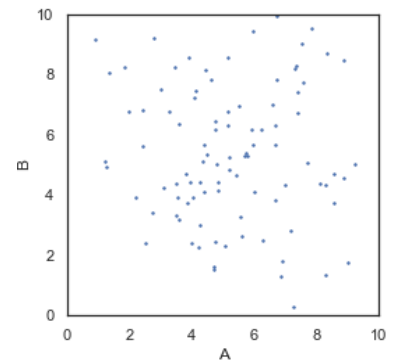
☐ Chart 6



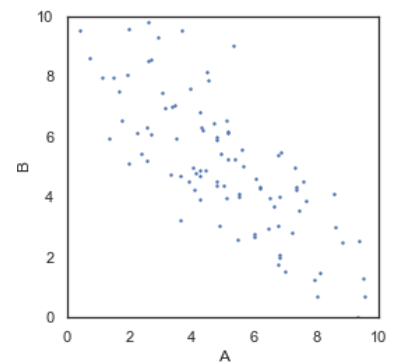
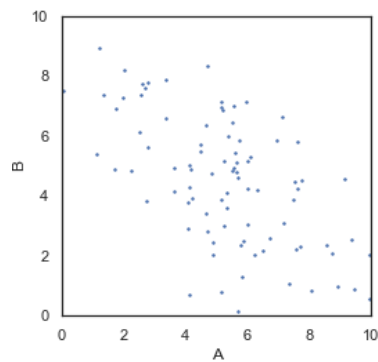
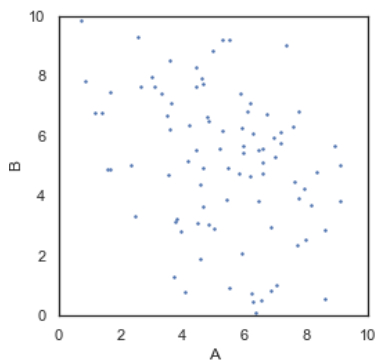
☐ Chart 7



☐ Chart 8



☐ Chart 9



Upward trend

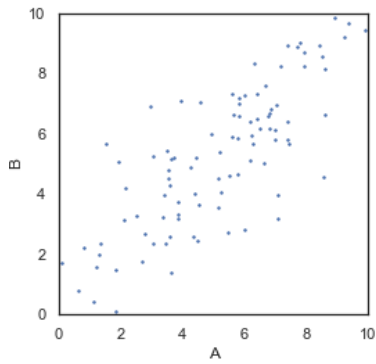
Please select all the charts that apply to the following statement:

"There is an upward trend in the chart"

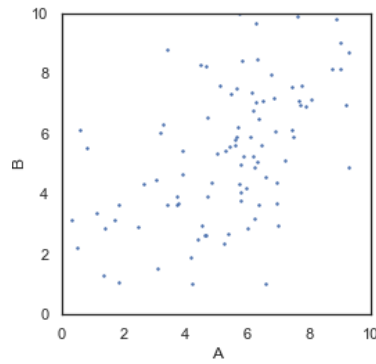
☐ Chart 1

☐ Chart 2

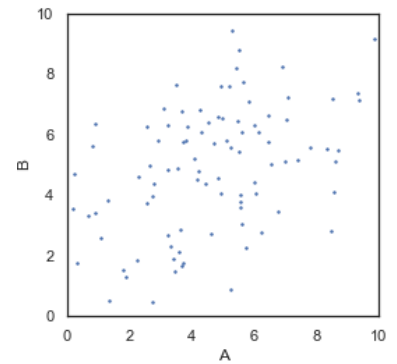
☐ Chart 3



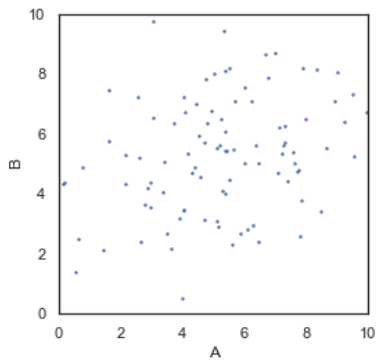
☐ Chart 4



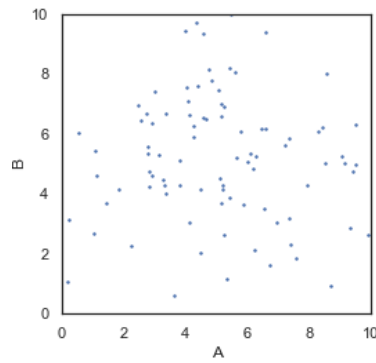
☐ Chart 5



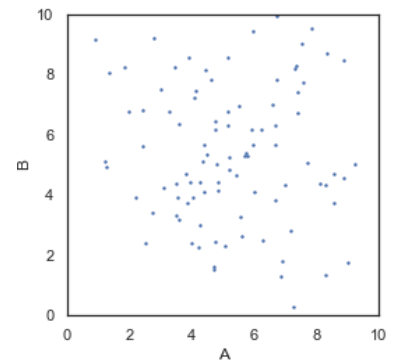
☐ Chart 6



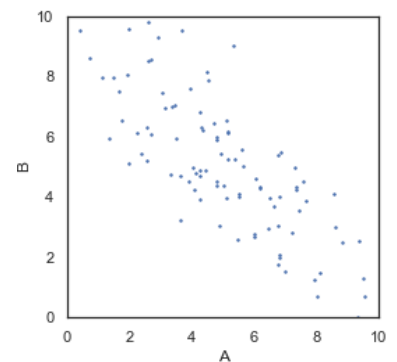
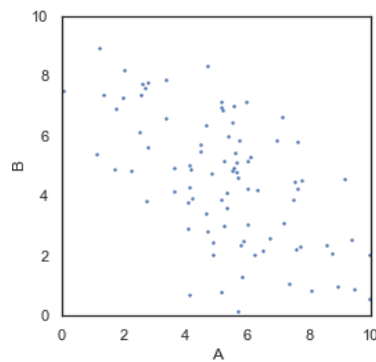
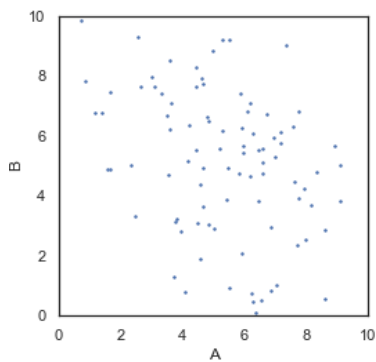
☐ Chart 7



☐ Chart 8



☐ Chart 9



Downward trend

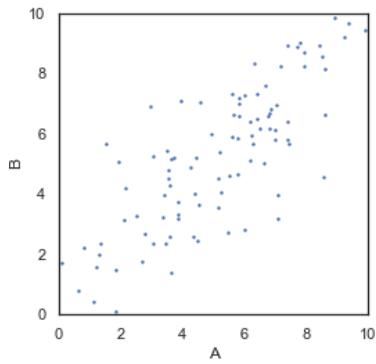
Please select all the charts that apply to the following statement:

"There is a downward trend in the chart"

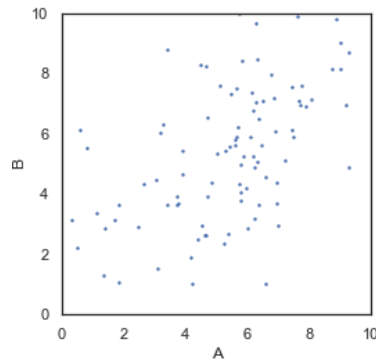
☐ Chart 1

☐ Chart 2

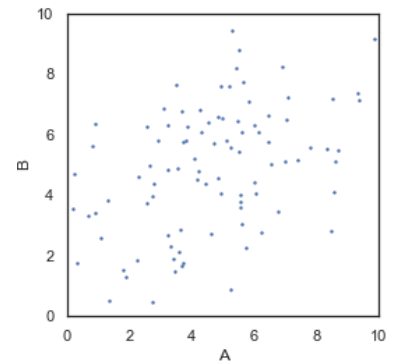
☐ Chart 3



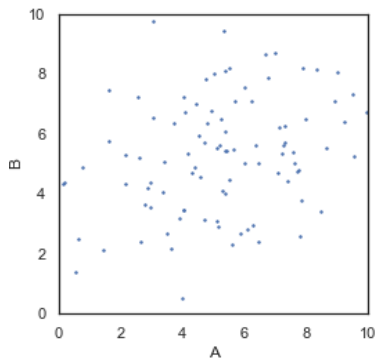
☐ Chart 4



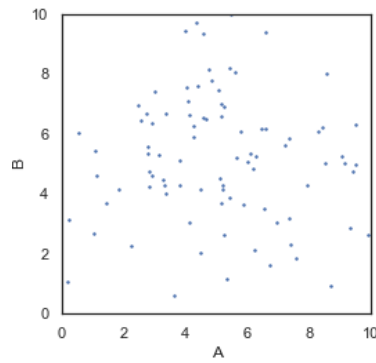
☐ Chart 5



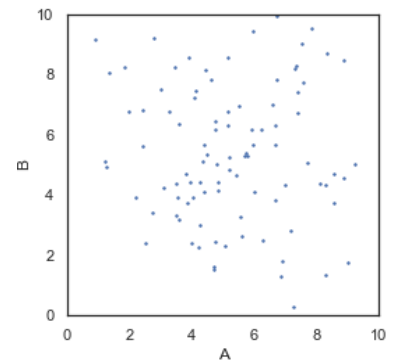
☐ Chart 6



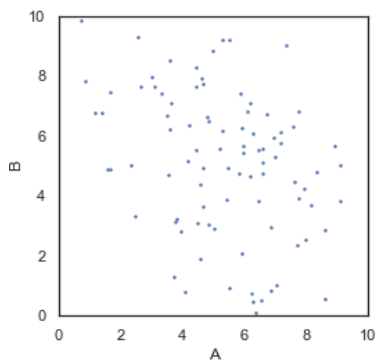
☐ Chart 7



☐ Chart 8



☐ Chart 9



High Position

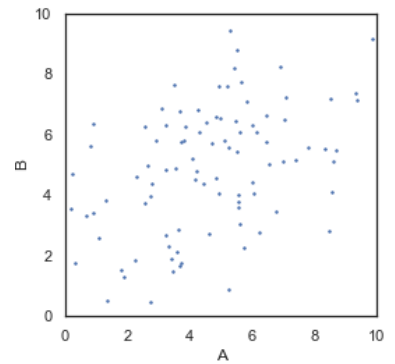
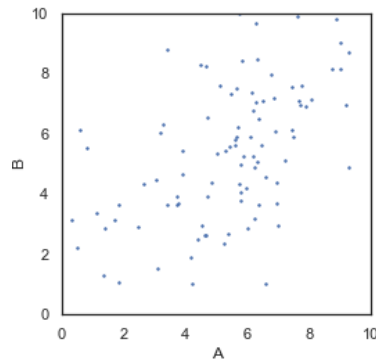
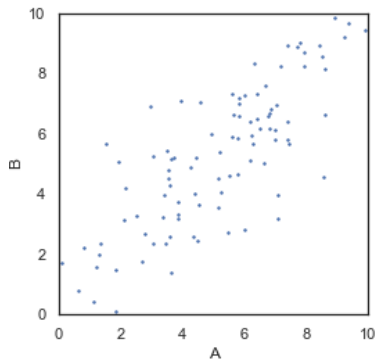
Please select all the charts that apply to the following statement:

"When the values of A are high, so are the values of B"

☐ Chart 1

☐ Chart 2

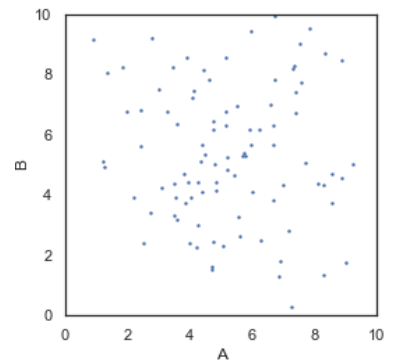
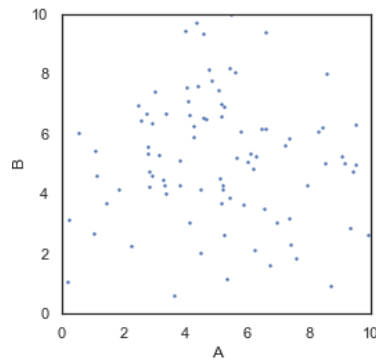
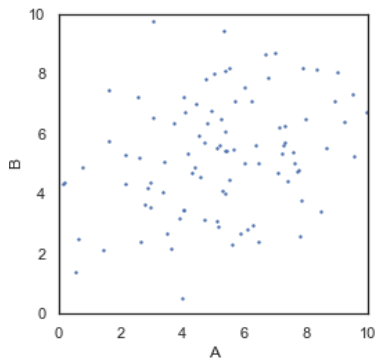
☐ Chart 3



☐ Chart 4

☐ Chart 5

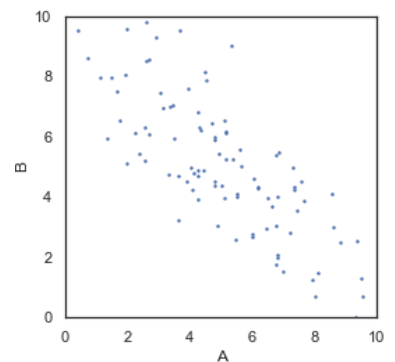
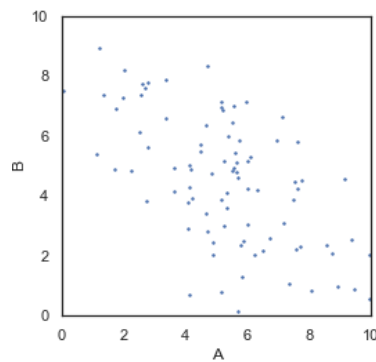
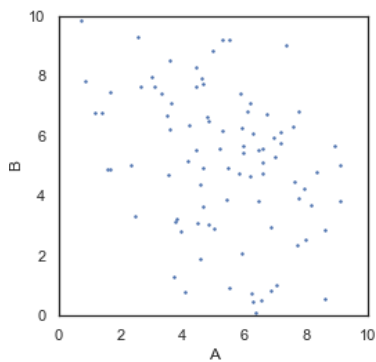
☐ Chart 6



☐ Chart 7

☐ Chart 8

☐ Chart 9



Low position

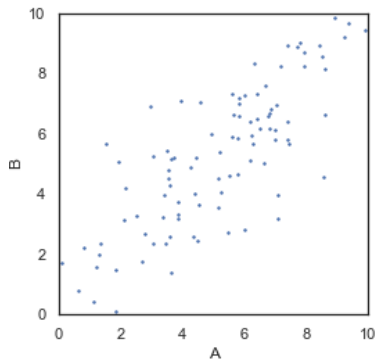
Please select all the charts that apply to the following statement:

"When the values of A are high, the values of B are low"

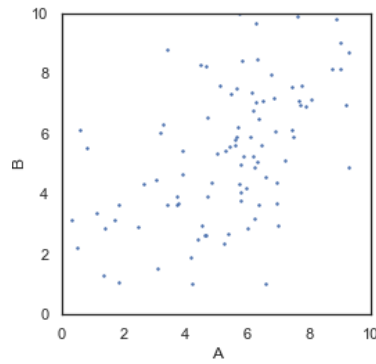
☐ Chart 1

☐ Chart 2

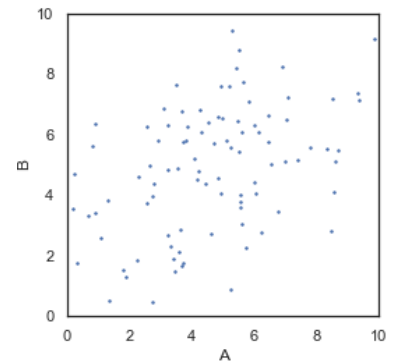
☐ Chart 3



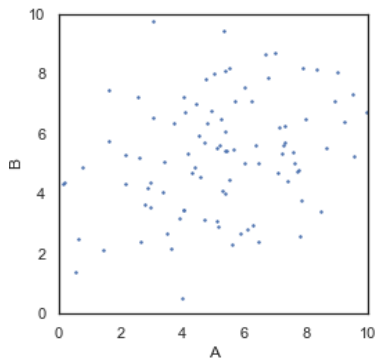
☐ Chart 4



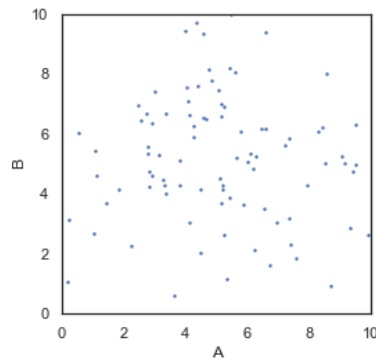
☐ Chart 5



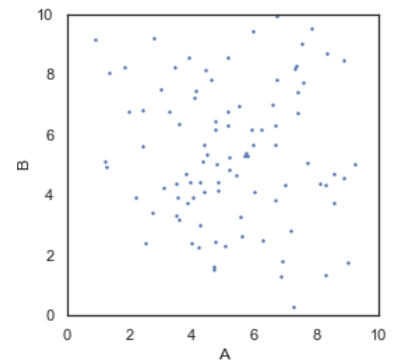
☐ Chart 6



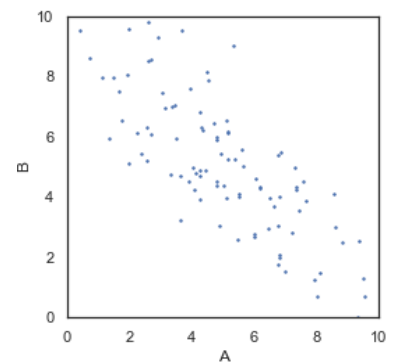
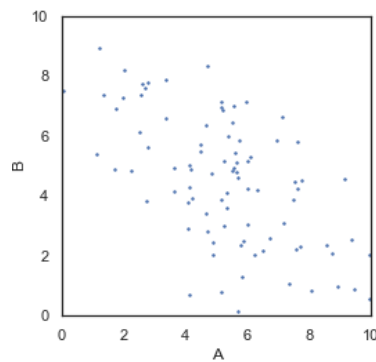
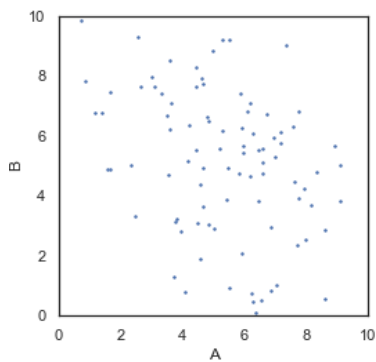
☐ Chart 7



☐ Chart 8



☐ Chart 9



High variable

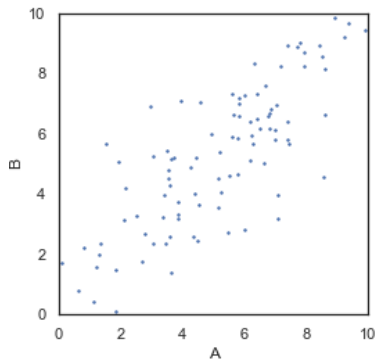
Please select all the charts that apply to the following statement:

"When variable A is high, so is variable B"

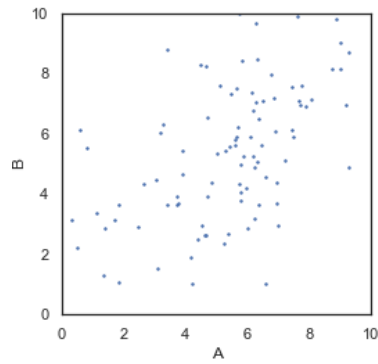
☐ Chart 1

☐ Chart 2

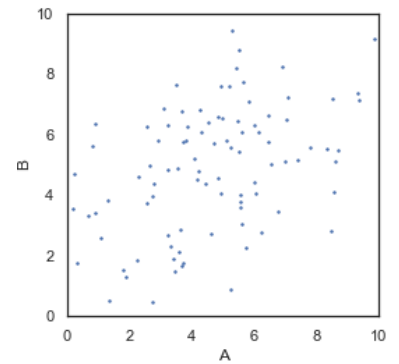
☐ Chart 3



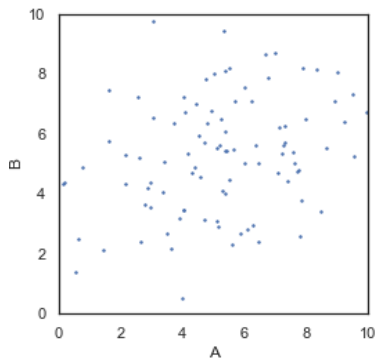
☐ Chart 4



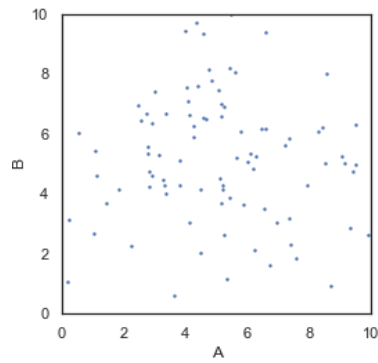
☐ Chart 5



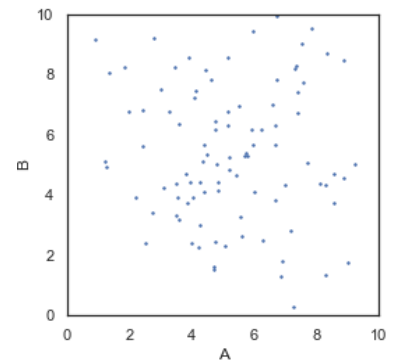
☐ Chart 6



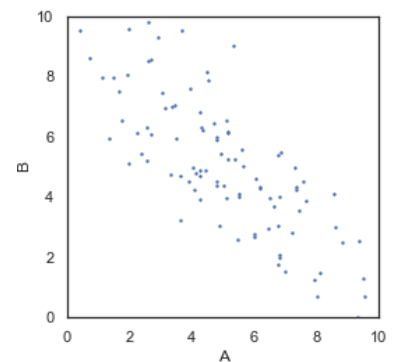
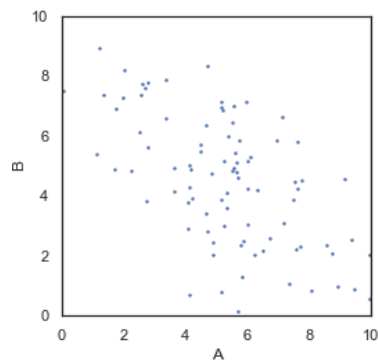
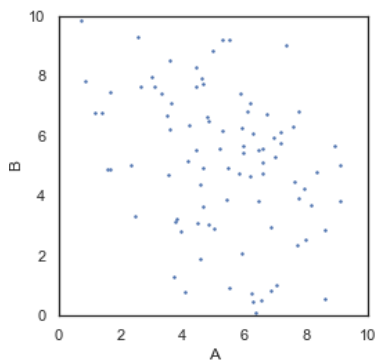
☐ Chart 7



☐ Chart 8



☐ Chart 9



Low variable

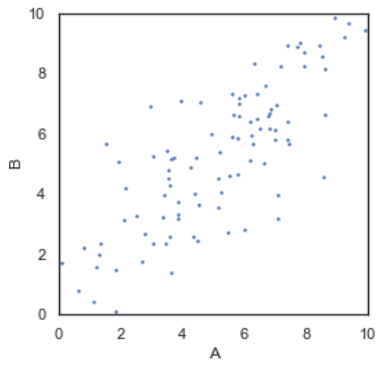
Please select all the charts that apply to the following statement:

"When variable A is high, variable B is low"

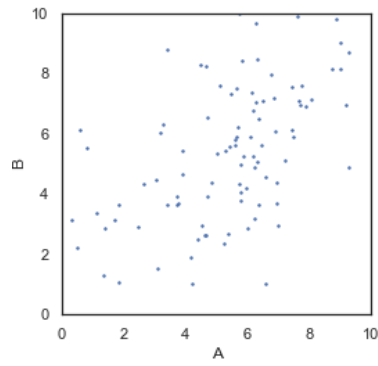
☐ Chart 1

☐ Chart 2

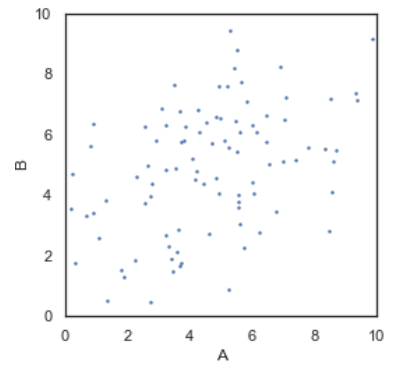
☐ Chart 3



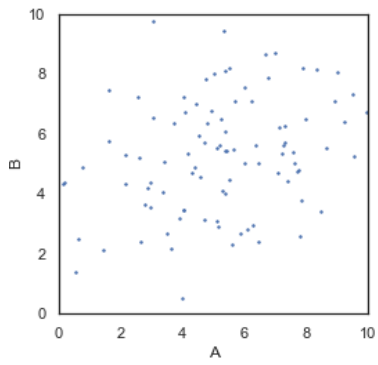
☐ Chart 4



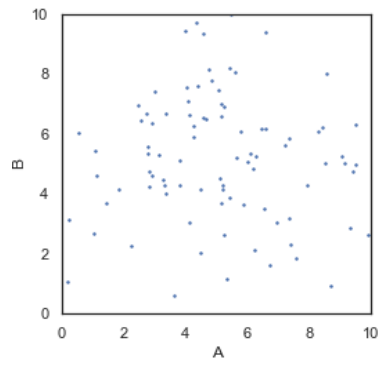
☐ Chart 5



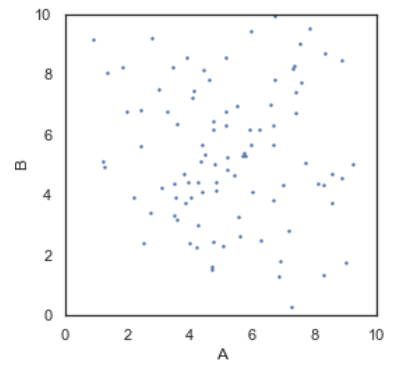
☐ Chart 6



☐ Chart 7



☐ Chart 8



☐ Chart 9

