Step 1 : Your research question

Choose a name for your analysis

Describe here your scientific question

You can add all the information you want

→ Next step

Step 2 : Import data

Step 3 : Process data

Step 4 : Visualise data

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Step 1 : Your research question

Choose a name for your analysis

Effect of climate on insects

Describe here your scientific question

What is the influence of climate on the presence of insects?

→ Next step

Step 2 : Import data

Step 3 : Process data

Step 4 : Visualise data

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Step 1 : Your research question

Effect of climate on insects

Étape 2 : Import data

- ○ Import csv file
- ◉ Import from database
  - ◉ Vigie-Nature database

Choose biological group

Pollinators ↓

Details in the export

☑ Basic data ☐ Avanced ☐ Complete

  - ○ Biodiversity databases (GBIF)
  - ○ Climate databases
  - ○ Land cover databases

→ Run

Step 3 : Process data

Step 4 : Visualise data

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Step 1 : Your research question

Effect of climate on insects

Étape 2 : Import data

Data successfully imported! Data are visible in the right column.

Would you like to import more data?

- ○ Import csv file
- ◉ Import from database
  - ○ Vigie-Nature database
  - ○ Biodiversity databases (GBIF)
  - ◉ Climate databases

    Choose the column from the previous dataset to locate the data:

    Location ↓
  - ○ Land cover databases

+ Load more data

→ Next step

Step 3 : Process data

Step 4 : Visualise data

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Your data

Pollinator data

Species	Abundance	Location
Mouche	5	Paris 5
Abeille domestique	2	Paris 5
Syrphe ceinturé	1	Paris 5
Amaryllis	5	Paris 5
Aurore	4	Paris 5
Araignée	1	Paris 5

Understand the data

Species

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Abundance

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Location

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Step 1 : Your research question

Effect of climate on insects

Étape 2 : Import data

Data successfully imported! Data are visible in the right column.

Would you like to import more data?

- ○ Import csv file
- ◉ Import from database
  - ○ Vigie-Nature database
  - ○ Biodiversity databases (GBIF)
  - ◉ Climate databases

    Choose the column to locate the data:

    Location ↓
  - ○ Land cover databases

+ Load more data

→ Next step

Step 3 : Process data

Step 4 : Visualise data

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Your data

Pollinator data

Pollinator and climate data

Localisation	Mean annual temperature	Mean annual precipitations
Paris 5	10	700
Paris 6	10	700
Paris 7	10	700
Paris 8	10	700
Paris 9	10	700
Paris 10	10	700

Understand the data

Location

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Mean annual temperature

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Mean annual precipitations

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Step 1 : Your research question

Effect of climate on insects

Step 2 : Import data

Step 3 : Process data

Summarise data

- ◯ Group lines and summarise data
- ◯ Filter data in one or several columns
- ◯ Select columns

Create or modify columns

- ◯ Sort
- ◯ Create a new column from elements of another one
- ◯ Create a new column and concatenate others
- ◯ Find / replace characters

Calculate

- ◯ Simple operation
- ◯ Operation with date and time

Step 4 : Visualise data

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Your data

Pollinator data

Pollinator and climate data

Localisation	Mean annual temperature	Mean annual precipitations
Paris 5	10	700
Paris 6	10	700
Paris 7	10	700
Paris 8	10	700
Paris 9	10	700
Paris 10	10	700

Understand the data

Location

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Mean annual temperature

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Mean annual precipitations

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Step 1 : Your research question

Effect of climate on insects

Step 2 : Import data

Step 3 : Process data

Summarise data

◉ Group lines and summarise data

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

	Nbre of individuals
Observation 145	3
Observation 145	2
Observation 145	4
Observation 146	3

→

	Sum of the Nbre of individuals
Observation n°145	9
Observation n°146	3

Explanation of the example:

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◯ Filter data in one or several columns

◯ Select columns

Create or modify columns

◯ Sort

◯ Create a new column from elements of another one

◯ Create a new column and concatenate others

◯ Find / replace characters

Calculate

◯ Simple operation

◯ Operation with date and time

→ Run

Step 4 : Visualise data

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Your data

Pollinator data

Pollinator and climate data

Localisation	Mean annual temperature	Mean annual precipitations
Paris 5	10	700
Paris 6	10	700
Paris 7	10	700
Paris 8	10	700
Paris 9	10	700
Paris 10	10	700

Understand the data

Location
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Mean annual temperature
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Mean annual precipitations
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Step 1 : Your research question

Effect of climate on insects

Step 2 : Import data

Step 3 : Process data

Group lines and summarise data

Parameters

1- Choose dataset: Pollinator data

2 - Choose which columns will be used to group the lines

Choose your column(s)

- Observation number
- Mean annual temperature
- Species
- Abundance

3- Sélectionner l'opération à réaliser

Choose the column to summarise: Abundance

Choose one or several operation to run

- [ ] Sum
- [x] Mean
- [ ] Median
- [ ] Count
- [x] Standart-deviation
- [ ] Minimum
- [ ] Maximum
- [ ] Quartiles

Help 'Group lines and summarise data'

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→ Run

Step 4 : Visualise data

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Your data

Pollinator data

Pollinator and climate data

Localisation	Mean annual temperature	Mean annual precipitations
Paris 5	10	700
Paris 6	10	700
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Understand the data

Location

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Mean annual temperature

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Mean annual precipitations

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Step 1 : Your research question

Effect of climate on insects

Step 2 : Import data

Step 3 : Process data

1 - Apply "group lines and summarise data"

Group lines and summarise data

Your notes and observations

You can add all infomation you want.

Modify parameters and re run the process

+ Add a treatment

→ Next step

Step 4 : Visualise data

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Your data

Pollinator data

Pollinator and climate data

Results of group and summarise data on pollinator and climate data

Observation Number	Mean annual temperature	Mean abundance	Standart deviation abondance
1235	10	12	3
1236	12	8	4
1237	12	5	4
15547	10	14	5
55447	13	5	2
98874	8	9	4

Step 1 : Your research question

Effect of climate on insects

Step 2 : Import data

Step 3 : Process data

1 - Apply "group lines and summarise data"

Step 4 : Visualise data

Parameters

1- Choose dataset	Result of group and summarise data on pollinator and climate data
2- Type of graph	Scatterplot
3- X axis	Temperature
4- Y axis	Mean abundance

→ Run

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Your data

- Pollinator data
- Pollinator and climate data
- Result of group and summarise data on pollinator and climate data

Observation Number	Mean annual temperature	Mean abundance	Standart deviation abondance
1235	10	12	3
1236	12	8	4
1237	12	5	4
15547	10	14	5
55447	13	5	2
98874	8	9	4

Step 1 : Your research question

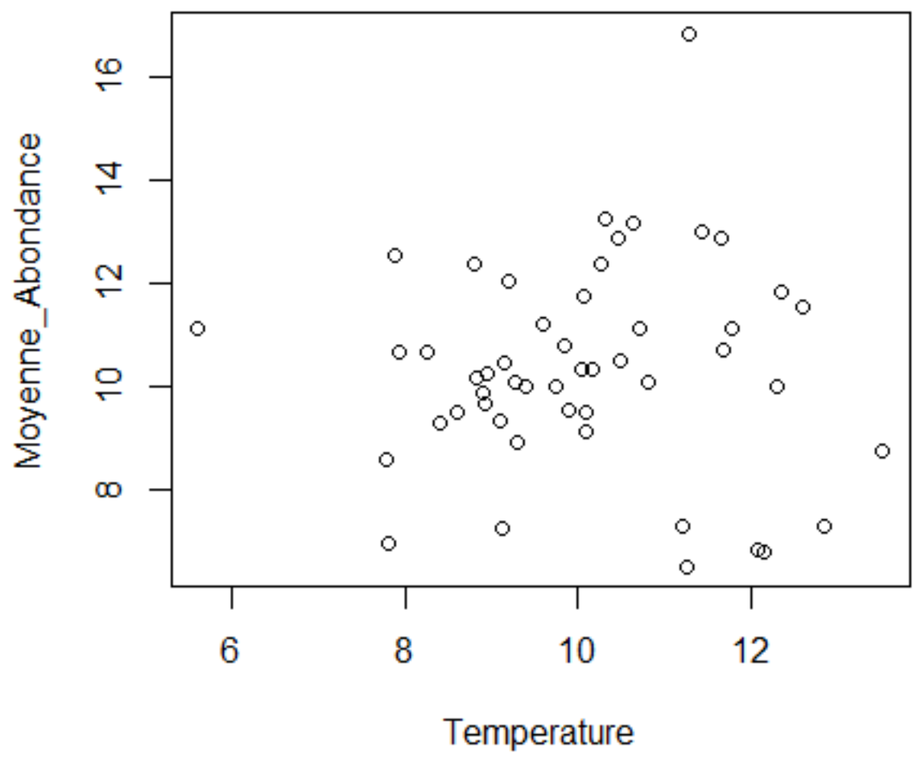
Effect of climate on insects

Step 2 : Import data

Step 3 : Process data

1 - Apply "group lines and summarise data"

Step 4 : Visualise data



Your data

- Pollinator data
- Pollinator and climate data
- Result of group and summarise data on pollinator and climate data

Observation Number	Mean annual temperature	Mean abundance	Standart deviation abondance
1235	10	12	3
1236	12	8	4
1237	12	5	4
15547	10	14	5
55447	13	5	2
98874	8	9	4

→ Next step

Step 5 : Statistical tests

Step 6 : Conclude and edit report

Step 1 : Your research question

Effect of climate on insects

Step 2 : Import data

Step 3 : Process data

1 - Apply "group lines and summarise data"

Step 4 : Visualise data

Step 5 : Statistical test

Quantitative data on x and y axes

- ◯ Linear regression

Qualitative data on x axis and quantitative on y axis

- ◯ Compare means
- ◯ Calculate confidance intervals

Qualitative data on x and y axes

- ◯ Khi2 test

Step 6 : Conclude and edit report

Your data

- Pollinator data
- Pollinator and climate data
- Result of group and summarise data on pollinator and climate data

Observation Number	Mean annual temperature	Mean abundance	Standart deviation abondance
1235	10	12	3
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Step 1 : Your research question

Effect of climate on insects

Step 2 : Import data

Step 3 : Process data

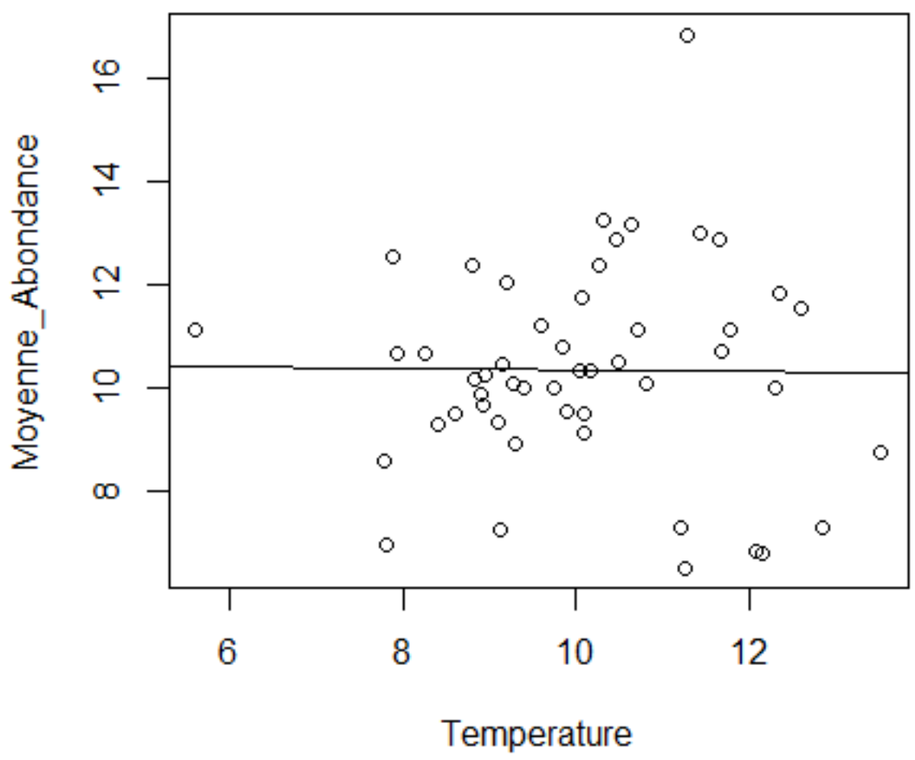
1 - Apply "group lines and summarise data"

Step 4 : Visualise data

Step 5 : Statistical test

Quantitative data on x and y axes

◯ Linear regression



Equation:
Mean abundance = -0,01 x Temperature + 10,48
R2 = -0,02 Weak relation
Non significant result

Step 6 : Conclude and edit report

Your data

- Pollinator data
- Pollinator and climate data
- Result of group and summarise data on pollinator and climate data

Observation Number	Mean annual temperature	Mean abundance	Standart deviation abondance
1235	10	12	3
1236	12	8	4
1237	12	5	4
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