You can find below two exercises. To solve them you can use any kind of analytical tools but please let us know which one you did use.

Please give all your answers in English!

**Exercise 1:**

For this exercise please use the file called test 1.

* 1. On the first sheet there is a festival map. Brain Bar uses RFID (radio frequency identification) technology to monitor the movement of the visitors. On the map you can see the locations of each RFID gate where movements were detected.
  2. On the second sheet you can see a fictional event agenda, including locations and start and end dates of each program. You can find some other features which can be used for deeper analysis as well.
  3. On the third sheet detailed data can be found about the movement of our audience which shows us when, where and who entered the different rooms of the event (Secret Garden, Big Hall).
     1. Date/time: When did the movement happen?
     2. Logid: ID of the movement
     3. RFID\_gate: Which gate detected the movement?
     4. RFID\_id.: ID of the visitor
     5. Area: Where did the visitor enter to at the given date/time?

Questions:

1. Which was the most popular program at the event? Please describe how you came to this result (1-2 sentences).
2. When was the biggest crowd at the event (meaning at all locations together)? Please describe how you came to this result (1-2 sentences).
3. Which was the least popular format at the event? Please describe how you came to this result (1-2 sentences).

**Exercise 2:**

For this exercise please use the file called test 2. This file contains data from a student survey.

Questions:

1. Please make a 5-slide presentation with visualisations of the most interesting conclusions in the dataset.
2. Please write a one page summary about your findings!