**Favorite Food**

**Jett** is a volunteer researcher to improve the food consumption quality based on the students’ favorite food type. **Jett** gathered all the necessary data including the student data and their food of choice.

**Jett** has created forms asked manually and goes to school personally to collect data necessary for his research. Below are the provided data in the csv format as following:

* **favorite\_food\_data**.**csv**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Description** |
| Student Name | Character | The name of the corresponding Student. |
| Favorite Food | Character | The favorite food type of the corresponding Student. |

* **Student\_data**.**csv**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Data Type** | **Description** |
| id | Integer | The unique identifier of the corresponding Student. |
| Student | Character | The name of the corresponding Student. |
| Age | Integer | The age of the corresponding Student. |
| Height | Integer | The height of the corresponding Student. |
| Education Grade | Integer | The education grade of the corresponding Student. |
| Education Year | Integer | Education year of the corresponding Student. |

You as an expert in **Data Mining** is hired by **Jett** to help him to **analyze** and **visualize** the data. The requirements are as below:

1. **Data Visualization**

To help **Jett** to understand the data easier, you are asked to **visualize** the data in **graph** **form**. Some data that needed to be visualized are:s

* 1. Show the **frequency of** **favourite food types** by students**.**
  2. Show the **number of students by their education grade and education year**.
  3. Show the **average height of all primary school (“SD”) students by their education year** and the **students’ age** must **less than equal to 12.**