**Questionnaire:**

1. Basic Information
   1. Field of study:
   2. Number of semester:
   3. Age:

|  |  |  |
| --- | --- | --- |
| ***18-24*** | ***25-30*** | ***More than 30*** |

* 1. Gender:

|  |  |  |
| --- | --- | --- |
| ***M*** | ***F*** | ***Do not wish to answer*** |

* 1. How familiar are you with the following concepts?

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1  ***Unfamiliar*** | 2 | 3 | 4 | 5 | 6 | 7  ***Very Familiar*** |
| ***Correlation analysis*** |  |  |  |  |  |  |  |
| ***Data analysis*** |  |  |  |  |  |  |  |
| ***Data visualization*** |  |  |  |  |  |  |  |

1. Visualization
   1. How many attributes are available in this data set?

* 1. How many pairs of attributes are available in this data set?

* 1. a) What is the correlation value between **Attribute 1** and **Attribute 13** at **Timestamp T801**, or the probable range?

b) What is the correlation value between **Attribute 10** and **Attribute 18** at **Timestamp T151**, or the probable range?

c) What is the correlation value between **Attribute 1** and **Attribute 3** at **Timestamp T901**, or the probable range?

* 1. a) Which pair of attributes has the biggest correlation at **Timestamp T701**?

b) Which pair of attributes has the biggest correlation at **Timestamp T1701**?

c) Which pair of attributes has the biggest correlation at **Timestamp T1601**?

* 1. a) Which pair of attributes has the smallest correlation at **Timestamp T601**?

b) Which pair of attributes has the smallest correlation at **Timestamp T551**?

c) Which pair of attributes has the smallest correlation at **Timestamp T1451**?

* 1. a) The following statement is true or false: “The correlation value between **Attribute 5** and **Attribute 7** remains the same at **Timestamp T801** and at **Timestamp T851**”?

|  |  |
| --- | --- |
| ***True*** | ***False*** |

b) The following statement is true or false: “The difference of correlation value between **Attribute 1** and **Attribute 15** at **Timestamp T1001** and at **Timestamp T1501** is smaller than 0.1”?

|  |  |
| --- | --- |
| ***True*** | ***False*** |

c) The following statement is true or false: “The difference of correlation value between **Attribute 5** and **Attribute 6** at **Timestamp T1** and at **Timestamp T51** is bigger than 0.2”?

|  |  |
| --- | --- |
| ***True*** | ***False*** |

* 1. a) Which pair(s) of attributes has/have a correlation value that is not smaller than **0.3** at **Timestamp T851**?

b) Which pair(s) of attributes has/have a correlation value that is not smaller than **0.3** at **Timestamp T1951**?

c) Which pair(s) of attributes has/have a correlation value that is not smaller than **0.2** at **Timestamp T601**?

* 1. a) Which pair(s) of attributes has/have a correlation value that is not bigger than **0.001** at **Timestamp T1051**?

b) Which pair(s) of attributes has/have a correlation value that is not bigger than **0.001** at **Timestamp T1901**?

c) Which pair(s) of attributes has/have a correlation value that is not bigger than **0.001** at **Timestamp T801**?

1. Feedback
   1. Please write down the visualization method you have used and rate for it.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1  ***Strongly Disagree*** | 2 | 3 | 4 | 5 | 6 | 7  ***Strongly Agree*** |
| ***Intuitive*** |  |  |  |  |  |  |  |
| ***Convenient*** |  |  |  |  |  |  |  |
| ***Interactive*** |  |  |  |  |  |  |  |
| ***Useful*** |  |  |  |  |  |  |  |
| ***Complicated*** |  |  |  |  |  |  |  |
| ***Efficient*** |  |  |  |  |  |  |  |
| ***Effective*** |  |  |  |  |  |  |  |

* 1. In your opinion, what are the strengths of this visualization system?

* 1. In your opinion, what are the weaknesses of this visualization system?

* 1. Do you have any suggestions for improving this visualization system?